



1/598

## SEQUENCE LISTING

<110> Daly, Mark J.  
Hudson, Thomas J.  
Lander, Eric S.  
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<120> IBD-RELATED POLYMORPHISMS

<130> 2825.1025-002

<140> US 09/735,271

<141> 2000-12-11

<150> US 60/170,257

<151> 1999-12-10

<150> US 60/196,046

<151> 2000-04-10

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gccctctagg ccgatacaaa gcaggggaaa aggagccaga tccaagacg tggaaggcca 660
actttcgctg tgccatgaac tccctgccag atatcgagga 700

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&lt;210&gt; 19

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 19

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tctggtagca taagaggtca ggggtacctt gccttctctc ttcaggccag gggcagctga 60
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gctccactct gcctgatgac cacagcagct acacagttcc aggctacatg caggacttgg 660
aggtggagca ggcctgact ccaggtgagc tgggtccaggt 700

```

&lt;210&gt; 20

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 20

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gcagttcaga gtgggctgca gtacagtggg ggctgggtgag 700

```

&lt;210&gt; 21

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 21

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tcctggggcc tggcctgcct gcttgactgt ctgggtcctg tgaagggtt cctgagagag 60

```

```

aaaagatgat cagaactcca cctggcactg aattgattga gttgggcatt gccagtcctt 120
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ctcttgaagt gaccgtttct cagtgaggag agagaaccag tgaagcttcc aaatcagagg 660
atgggtagct gctgttgtca cctggctgct tgcattgtcc 700

```

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<210> 22
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 22
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tcagttagga gagagaacca gtgaagcttc caaatcagag gatgggtagc tgctgttgct 180
acctggctgc ttgcattgtc ccacaagtgc cacattcacg tggcttgact ggtgggaaag 240
ccaccatggg aagggaaggc aggtgggagg cctggcctct gacaggccgt cctgaagcaa 300
gccttggggc atcagacagc tctgtgagtc aggcactatc agcgatgggt ccctggcctg 360
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taatcagcct ttaggatccg ttaatatgat gatggcttta tagaaaaagt tagcaaatta 480
tctccagggt ttttttttct gcttcagttt tgaaagtga ttaggttttt gcagccgggg 540
gcagtggctc atgcctgtaa tcccagcact ttggaaggcg aagggtgggt gatcacctga 600
ggtcaggagt cctgagccag cctgactaac atggtgaaac ccatctctac caaaaatata 660
aaaattagct gggcctgggt ggcgatgcct gtaatccag 700

```

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<210> 23
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 23
tgcttcagtt ttgaaagtga atatagtttt tgcagccggg ggcagtggct catgcctgta 60
atcccagcac tttggaaggc gaagggtgggt ggatcacctg aggtcaggag tttgagacca 120
gcctgactaa catggtgaaa cccatctcta caaaaatat aaaaattagc tgggcctggg 180
ggcgcatgcc tgtaatccca gctactctga aggtgaggc aggagaatcg cttgaacctg 240
agaggcggag gttgcagtga gctgagattg tgtcattgca ctccagcctg ggcaacaaga 300
gcaaaactcc atttcaaaaa aaagtttttg cagtagttgt acgccagctg ttccattagc 360
ccaaaaaatt gagacatgga tgtcgttctc tatctctagc ttttctagtc atcttttctt 420
gatttattat gctaaccctt gttttaagcc acattccctc ttactatgtc cttacacagt 480
tgagagggaa gtcgtggaga tgctatacca gagagtgggt gtgagagggg tgggaaaatg 540
aattgaggac cagtgccaac atgcatttct gcctcctccc tcccgggcc ttgtcctgac 600
tgcagtgcac ttctgcatcc tatctgagat tgtgaaaatg gccaaagggt tgatactggc 660
tgagaggagc tggctcattg agggcagggc cacagggtga 700

```

```

<210> 24
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 24
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catgcatttc tgctcctccc ctcccgggcc cttgtcctga ctgcagtgca cttctgcatc 120
ctatctgaga ttgtgaaaat ggccaagggt gtgatactgg ctgagaggag ctggctcatt 180

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gagggcaggg	ccacaggggtg	agtctgcact	ggaagggagt	tgatagcctc	ttgctcttct	240
gtccccagct	cttggagcag	tgggagtggc	agccaacaaa	cgtggatggg	aaggggtacc	300
tactcaatga	acctggagtc	cagcccacct	ctgtctatgg	agacttttagc	tgtaaggagg	360
agccagaaat	tgacagccca	gggggtaaga	aggccctgga	tccttatggc	ttcttagatg	420
agggagaacc	acgtagggat	ggagaaagct	tgggggcagg	gccagggagc	agggcggtaa	480
agcatctggg	gtactgacac	attgtgaatt	agctacggct	gccatgcctt	aaggtttgcc	540
tgaagctgag	tggatgttta	ctgctgtgct	gggaagagca	gaggccatgt	ctatggcctt	600
caggggtagg	gggaagcaca	cctgatgcc	ccgtccccta	ccctcataca	accttcttca	660
catcttctag	gggatattgg	gctgagtcta	cagcgtgtct			700

<210> 25  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 25						
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actgctgtgc	tgggaagagc	agaggccatg	tctatggcct	tcaggggtag	ggggaagcac	120
acctgatgcc	accgtcccct	accctcatac	aaccttcttc	acatcttcta	ggggatattg	180
ggctgagtct	acagcgtgtc	ttcacagatc	tgaagaacat	ggatgccacc	tggctggaca	240
gcctgctgac	cccagtcggg	ttgccctcca	tccaggccat	tcctgtgca	ccgtagcagg	300
gcccctgggc	ccctcttatt	cctctaggca	agcaggacct	ggcatcatgg	tggatatggt	360
gcagagaagc	tggacttctg	tgggcccctc	aacagccaag	tgtgaccca	ctgccaagtg	420
gggatggggc	ctccctcctt	gggtcattga	cctctcaggg	cctggcaggc	cagtgtctgg	480
gtttttcttg	tgggtgtaaag	ctggccctgc	ctcctgggaa	gatgaggttc	tgagaccagt	540
gtatcaggtc	agggacttgg	acaggagtca	gtgtctggct	ttttcctctg	agcccagctg	600
cctggagagg	gtctcgctgt	cactggctgg	ctcctagggg	aacagaccag	tgaccccaga	660
aaagcataac	accaatccca	gggctggctc	tgcactaaga			700

<210> 26  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 26						
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tactggctg	gtcctagggt	gaacagacca	gtgacccag	aaaagcataa	caccaatccc	180
agggctggct	ctgcactaag	agaaaattgc	actaaatgaa	tctcgttccc	aaagaactac	240
ccccttttca	gctgagccct	ggggactgtt	caaagccag	tgaaatgtga	aggaaagtgg	300
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ctgaggggct	tgggaaaaaa	acttggcact	ttttcgtgtg	gatcttgcca	catttctgat	420
cagaggtgta	cactaacatt	tcccccgagc	tcttggcctt	tgcatttatt	tatacagtgc	480
cttgctcggc	gcccaccacc	ccctcaagcc	ccagcagccc	tcaacaggcc	cagggaggga	540
agtgtgagcg	ccttggtatg	acttaaaatt	ggaaatgtca	tctaaccatt	aagtcatgtg	600
tgaacacata	ggacgtgtgt	aaatatgtac	atttgtcttt	ttataaaaag	taaattgttt	660
ataaggggtg	tggccttttt	agagagaaat	ttaacttgta			700

<210> 27  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 27						
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gacttaaaat	tggaaatgtc	atctaaccat	taagtcatgt	gtgaacacat	aggacgtgtg	120
taaatatgta	catttgtctt	tttataaaaa	gtaaattgtt	tataaggggt	gtggcctttt	180
tagagagaaa	tttaacttgt	agatgatttt	actttttatg	gaaacactga	tggacttatt	240
attggcatcc	cgctgaact	tgactttggg	gtgaacaggg	acatgcatct	attataaaat	300

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ccttttcggcc aggcgcggtg gctcacacct gtaatcccag cacttttggga ggccgagatg 360
ggtggatcac ctgaggtcag gagttcgaga ccagcctggt gaaactccat ttctactaaa 420
aatgcaaaaa ttagctgggc gtggttgcg gtgcttgtaa tcccagctac tcaggaggct 480
gaggcaagag aatcgcttga acctgggagg tggaggttgc agtgagccga gaacatgcca 540
ttgcaactcca gcccgggcac caaaaaaaaa aaaaaaaaaa aaacctttca tttggccggg 600
catggtggct tatgcctgta atcctggcac tttgggaggc caaggtgggc agatcacctg 660
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<210> 28

<211> 700

<212> DNA

<213> Homo sapiens

<400> 28

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aacctgggag gtggagggtt cagtgagccg agaacatgcc attgcactcc agccccggca 60
ccaaaaaaaa aaaaaaaaaa aaaacctttc atttggccgg gcatggtggc ttatgcctgt 120
aatcctggca ctttgggagg ccaaggtggg cagatcacct gaggtcagga gtttgagacc 180
agcctggcca acatggtgaa acctcatctc tactaaaaat acaaaaaatta ggccggggcac 240
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aattagccgg gcctagtggc ggggtgcctgt agtcccagct actcgggagg ctgaggcagg 420
agaatggcat gaaccccgga ggcagagcct gcagtgagcc gagattgcac cactgcacta 480
cagcctgggc gacagagcga gactccgtct caaaaaaaaa aaaaaaaatt agccgggcct 540
ggtggcgggc gcctgtaatc ccagctactg tggaggctga agcacaagaa tcacttgaac 600
ccgggagatg gaggttgtag tgagctgaga ctgtgccact gcactccagc ctgggtgaca 660
agagtgagac tttgtctcaa aaaaaaaaaa atccttttgt 700

```

<210> 29

<211> 700

<212> DNA

<213> Homo sapiens

<400> 29

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agactccgtc tcaaaaaaaaa aaaaaaaaaat tagccggggc tgggtggcggg cgcctgtaat 60
cccagctact gtggaggctg aagcacaaga atcacttgaa cccgggagat ggaggttgca 120
gtgagcttag actgtgccac tgcactccag cctgggtgac aagagtgaga ctttgtctca 180
aaaaaaaaaa aatccttttg tttatgttca catagacaat ggcagaagga ggggacattc 240
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tcagttgatt ctgggctcct ggggccaag gagtgtaag ttttgaggca tgtgccatag 360
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tggcactagc cacatgtgcc agctaagcac ttgaaatgtg gccagtgcaa taaggaattg 600
aacttttaat tgcatttaat aaactgtatg taaatagtca catgtggtca gtggttacca 660
tattgaacag tgcaggtaga tactggactg ggggcagatc 700

```

<210> 30

<211> 700

<212> DNA

<213> Homo sapiens

<400> 30

```

tgatgaaatg ctctgtctgt accgttcaat acagtaggca ctggcactag ccacatgtgc 60
cagctaagca cttgaaatgt ggccagtgca ataaggaatt gaacttttaa ttgcatttaa 120
taaactgtat gtaaatagtc acatgtgggt agtggttacc atattgaaca gtgcaggtag 180
atactggact gggggcagat ctgagggaga ggggtttgag tagtgggagg aactgggga 240
taggggcttg gggctattta cctgccattt tgagtagttt gctatttttag cagccaacaa 300
taactattgg tgctgaatac cagccctgca gtgtagcatg agacagggtc atgcacacat 360
gcattaggaa aacaccttca tgaagcagga ttctgcctgg gctgatgcac acaacctcta 420

```



```

tggagggttaa acagtgtttc tgaagaccgt agtttgggaa cccctgacat atgacaatgc 480
ccccttagat aagctcaagt tacaggaatg tctgagggtg gaagggtgtg atatgtgctt 540
ttcctgtctc cctcttcagt gtctggccat ggggcataaa cactaccag cagtaggtag 600
gctggccaag agaagccagc ttgcatcacc agcatcatct agggaatgga atcatggcag 660
taatacgttg cttaggaaac aaaagctcta tggacacatc

```

```

<210> 31
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 31
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tgtctggcca tggggcataa acactacca gcagtaggta ggctggccaa gagaagccag 120
cttgcacac cagcatcac tagggaatgg aatcatggca gtaatacgtt gcttaggaaa 180
caaaagctct atggacacat cttccacctt ctcagtccca gaaaccatat gtactgtgac 240
cccgtcact aggccagcc ctcgggaaga gtgtgggccc ttgaaaaggg aagactgagt 300
gagaaaatga tgagaaaact acaaaatggg cagaggctcag tctgacacat tcattctctg 360
tcaagctcag gaagtactgg tccctgatct tggagatgct gtgtgagtgg cagggggact 420
cctgctgggt aaatattcta tatgtggatg cctggacagg cccctatccc aggccctgct 480
tgtcagaagc tccccttggg ccgagcgagg tggctcacac ttgtaatctt ggcaacttgg 540
gaggccgagg caggtggatt gcctgagttc aggagttcaa aaccaggctg ggcaacatgg 600
tgaaaccctg tctctactaa aaaaaaacta accaggcgtg gtggtgcatg cctgtaattc 660
cagctactag ggaggctgag gcaggccaat cacttgaacc

```

```

<210> 32
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 32
gccgagcgcg gtggctcaca cttgtaatct tggcactttg ggaggccgag gcagggtggat 60
tgcttgagtt caggagttca aaaccaggct gggcaacatg gtgaaacctt gtctctacta 120
aaaaaaaaact aaccaggcgt ggtggtgcat gcctgtaatt ccagctacta gggaggctga 180
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gcactctagc ctgggcaaca gagcgagact ctgtctcaaa aaaaaaaaaa aaaagaagtt 300
ctacttggaa gctccacttg gatttctcaa gaatagcttc acctgggaac agagggaatg 360
acaggatgga cttttccagc tccttcaggg accagccctt tttaagattt ggattgagg 420
ggctagccac ctgtggcttc catctgggtt ctctagtgg gtgatggcag gtggtgcaga 480
gcaaggtaga gtggactgac gggaggaaag tgataccacc cagaacaagc agcagctctg 540
acttcttttt ctctgcctt tcaatctaata cctgatgga gggtaggcag tgagtatgtg 600
aagtcttagg cagctgtgga aatctctcaa gttctaaaag caaagttaat tgcttgtaaa 660
ttaccaaaaa gagagaggaa ttatgtccat cagcttccaa

```

```

<210> 33
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 33
cgggaggaaa gtgataccac ccagaacaag cagcagctct gacttctttt tctcctgccc 60
ttcaatctaa tccctgatgg agggtaggca gtgagtagt gaagtcttag gcagctgtgg 120
aaatctctca agttctaaaa gcaaagttaa ttgcttgtaa attacaaaa agagagagga 180
attatgtcca tcagcttcca atctccacaa ccaagatgga gtcctcaatt tccccatccc 240
ctctgatccc aggagtccta aatgattggg agcaattgct tggaatctcc agggaggggac 300
ctcaaaactc tcccctggcc cccatcacia tggagctggg tccataggac caagcctgga 360
gtagtgtggg atagagccag acctttcagg atggagagct gtcccatcac atcctaccaa 420
gacttcagcc ttttcttagg aaaagaaact aaataagggtc tgacagctca cctaaagggtg 480
atggcagctg acactaccga gtcattagcc aaacagtgcc tgaaacggag cagtattagt 540

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aagatctgaa ccaagtttgt gcttaataat tagatcattc taaggacctg acagtgcctc 600
tgtgggtcat tctcaagagt ttcagtataa gcaactaatgg tggaagttct aggttgaggg 660
agctaggagg ttgttgaaag atctgttttg ctgggggttg 700

```

```

<210> 34
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 34
agtcattagc caaacagtgc ctgaaacgga gcagtattag taagatctga accaagtttg 60
tgcttaataa ttagatcatt ctaaggacct gacagtgcct ctgtgggtca ttctcaagag 120
tttcagtata agcactaatg gtggaagttc taggttgagg gagctaggag gttgttgaaa 180
gatctgtttt gctgggggtg tgatgagata actgtcatca aggaccactt tccactgggg 240
taaactgaca aaagtgggtg tcagccacac cagctagatt tctcatgttg ggccaagtgt 300
acagacattt gcgggcattt gtgggttagtc atgggtttcc ttgccttaac tccaaaaggg 360
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aagaaagcta gaagctaata ggcaaaccat cccttcttgg tgtgtcagct ttcaacatct 480
ctcagtgcac tgtgtgcagg gtgttgtgac cattacaact ccaaaggaaa gagctttctc 540
tgatttttct ggaagtctcc agtggggcct gccaaagtgg gaactgaaat cctggggtag 600
ccctgggaag tggagttttt ttctctagga gtgatgtctc ctggttggtg gggctgggaa 660
acagccaggt tgtcattctc tgggaccact tgatctttca 700

```

```

<210> 35
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 35
ggtgttgatga ccattacaac tccaaaggaa agagctttct ctgatttttc tggaagtctc 60
cagtggggcc tgccaaagtg ggaactgaaa tcctggggta gccctgggaa gtggagtgtt 120
tttctctagg agtgatgtct cctgggttgg ggggctggga aacagccagg ttgtcattct 180
ctgggaccac ttgatctttc acactgtgta cagatccaaa actctgccct tatacttggg 240
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<210> 36
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 36
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700

<210> 37

<211> 700

<212> DNA

<213> Homo sapiens

<400> 37

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tagggtttgc	cccacctatg	ccctggaggc	cacctgcagt	ttcgaagggt	ggggccccag	360
ggggccgaga	cacagacagg	cttgtaactt	ggcctcagtg	cagggggcag	cttggccaca	420
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gctgtgagac	tcaggaccat	gcacagatgc	attctcattc	ccagccacca	ggctcgggtc	660
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<210> 38

<211> 700

<212> DNA

<213> Homo sapiens

<400> 38

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tcccttgccc	tctgtgcca	gccagagggg	gcagcctggg	tgaggtcttc	acatccattt	360
cgggccaaat	gccttggatt	ggctggatcc	cctcctgttt	ctgccctcct	tcttcccttc	420
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<210> 39

<211> 700

<212> DNA

<213> Homo sapiens

<400> 39

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actttccgag	acttggaaca	gcctggtgag	tgttcatcac	cattcttctg	tcataggtgg	600
cgagcagcca	gagttctggg	cacaggagac	catctacccc	caagcttgtg	cggcctgcct	660
caggtcactg	aagaggaccc	catttttggg	ctttggccat			700

<210> 40  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 40
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acaggccatg accaaccagc agccaaggtc aaagtcccca gaacaagggc cagtgtgtgc 660
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```

<210> 41  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 41
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cagccaaggt caaagtcccc agaacaaggg ccagtgtgtg catgacatgc agcaggaccg 180
cttgctctct tcggcagtac tggagataga aggctgagtc attaacaact ttcttttatt 240
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tgaggagttt ccaggattt gggactttca gtgctaaaac 700
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<210> 42  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 42
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cttgagagata ggctgaccaa ctggtccagt ttgcttagga ctgaggagtt tcccaggatt 180
tgggactttc agtgctaaaa ctgggaaagt cccaggcaaa ccagggccag ttggtcaccc 240
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tgctgggggt ctggatcccc catccccaca ccaagcagcc caggggacaga ggcctggctg 360
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ggaaagggaa taaattaagg cagacagtct gtcacacccc aagaaaagg ccagggtgaac 480
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acccctccag ccctggagct gagtgtgtgg tcccagagg ccccagagcc agagaagtgc 600
agggtgtctg gattgaaagg cctcagctcc ctgggctccc agagccctgg tgcctcaggc 660
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<210> 43  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 43

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gcctcagctc	cctgggctcc	cagagccctg	gtgcctcagg	ccttaccttc	cccctcctcc	180
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gacttgggta	gaaaggacct	ctctgatagt	ggcaggaaca	tcctgactgt	ggctctggccc	360
agccggctgt	ctatgcctga	ggatgcctga	ggatgggggg	cccttgga	actcagaaga	420
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atgcatgagc	ctatgaatat	gttgctacat	ggcaaagagg	aattaaaact	gcagatggaa	540
ttaaggttgc	taaccagctc	acttgcaaat	agagagatta	ccctggatta	ttgggtgtgg	600
cccagtgtaa	tcacaagggt	tcttaaata	agaaggagga	ggcagaagg	tcagaaccag	660
agagatcgca	ttgtgaaaaa	cctgaccagc	cagtgtctggc			700

&lt;210&gt; 44

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 44

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agggagaggt	tgacgtgagt	caagattgag	ccactgcact	ccagcctgag	tgacagagca	660
agaccctgta	tccaaaaaaa	taaataaata	aaaaattgtg			700

&lt;210&gt; 45

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 45

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ctacttggga	ggctgaggta	ggaggatggc	ctgagcccag	gagggagagg	ttgcagttag	120
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caataggaaa	ctgatccact	gggaaaccat	ttgggggatg	cagctgcccc	aaatccctgc	300
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gcttaagatt	cccaggaagg	agttgcatgg	cccctccaca	catccgcaat	actcataaca	660
ctctcagctc	ttggccttac	taagggaata	ctaaggggac			700

&lt;210&gt; 46

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 46

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cccaaacctc agtgagctga ggtgctggct ctgagtggtc atggaggggc ttgcctgagg 60
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cgacagagcc accatgcagc cccacaggat gtctctcaac 700

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&lt;210&gt; 47

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 47

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cttttgatag ggtgaatgat cacagcatcc tgtgttaggg aggaaagggt gagcacagac 60
gcttcaaaac tctgtcttac ccataggcag aagggtgtag cctggccagg ggagaaaagg 120
acccagccac tgccaccgcc ccgcagctca caccggatgt gcgacagagc caccatgcag 180
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ttaatatata atttttttgt ggaatacaga tggagggaat acatcacaat actaaagggtg 420
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cgacctcaca ggctcaagtg atcctccac ctcagcctcc ggagaagctg ggactacagg 660
tacataccac catgcccagc taattttttg tagagacagg 700

```

&lt;210&gt; 48

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 48

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ataattactt ttacttattt tttgagacaa aatctcaccc tgttgaccaaa ggctggagcg 60
cagtggtgca atctcggtt agtgcaatct cgggtgtagt tcgacctcac aggtcaagt 120
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gaccacttcc gtcaccagcc tcgctccttc cagacctgcc 700

```

&lt;210&gt; 49

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 49

```

ttgtttgcct ggtaagacaa gatgctccct agggctcctt gcagcttaat aagtaaagta 60

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ttcgcccttg tctcatccat cccagctctt tgcccagctt ccagtgactc ctctgtgcct 120
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<210> 50  
<211> 700  
<212> DNA  
<213> Homo sapiens

```

<400> 50
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ctccaagttcc aggattttct cactcccaca atggtgtctc ccttaatgac tctcacattc 180
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tattctggca cctgggtggt tctggcacat agcccatggt cattaaatga catgaattga 420
ttgtccattc aaataataaa acaataaata aataatacta gctaacaggt atggagtgcc 480
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caagagctac aacgtagggt tttacaccaa aacagtgtct acgtaaacag tgtctatcaa 600
agagagaaaa atgatgggca gacaccctga tccttcccac agtgctaaag gccatgccag 660
ccactgtccc cattacgact tgcataact gactgccgaa 700

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<210> 51  
<211> 700  
<212> DNA  
<213> Homo sapiens

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<400> 51
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<210> 52  
<211> 700  
<212> DNA  
<213> Homo sapiens

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<400> 52
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ggccattcc aggttaggga cataaggatg aataaaacaa ggtctgtacc agtagagaac 180

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atcagtcccc taggggagaa agtcaggaaa gcctcatcct gagccttoga ctccttactg 240
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ggtttcttcc tgccccgtc ccctgaccac agttgatctc ccctggctgt tatgaaatgt 540
caaagaatgt cctgcaatcc taaattccat aatgatcttt atcttctgtt ccctctgagg 600
ctcctcaatc tgcagtaaca gctgtggttc agcaagcagt gcggcactct ggagtgtgt 660
tctgaaacag ggccggcgtg gggcagagct catctgctgc 700

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&lt;210&gt; 53

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 53

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ccccgacca cagttgatct cccctggctg ttatgaaatg tcaaagaatg tcctgcaatc 60
ctaaattcca taatgatctt tatcttctgt tccctctgag gctcctcaat ctgcagtaac 120
agctgtggtt cagcaagcag tgcggcactc tggagtgtgt ttctgaaaca gggccggcgt 180
ggggcagagc tcactctgctg ccctatccat tcaactgtgt gttcagggct agagaagatt 240
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atatatgttc agtttaacaa ataatcataa agcaaattctc tataaaacca ctgctgtctc 360
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tcacgccact gagggatata ctgttttctg tagagaagtc cagcagagtc actgtcctgg 600
ggggcatcct tcttgatcgc ccccatgcca tgaaggccca ttccttgccc agggctctag 660
agtctgagct tctccaagag ggaatggagt ctttcgcaga 700

```

&lt;210&gt; 54

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 54

```

tccccctgcag ttgtggagtg tggtagccct attggatctt ctcacgccac tgagggatat 60
actgttttct gtagagaagt ccagcagagt cactgtcctg gggggcatcc ttcttgatcg 120
cccccatgcc atgaaggccc attccttgcc cagggctcta gactctgagc ttctccaaga 180
gggaatggag tctttcgcag aggggctgtg gagcctcgta aggctgaatc taaccacgag 240
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tttttagaggc tgcctgcatt ccttggcctg cggccccttc ctccaccttc aaagccagca 540
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ctctctcttc tccatttaag aatgcttgtg attacattgg gctcaccac cccagtttct 660
acccaataat ccagggtaat ctcccaact taaagagaga 700

```

&lt;210&gt; 55

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 55

```

tccttggcct gcggcccctt cctccacctt caaagccagc actggctggc caggtctttc 60
atatattgca atctctctgc ttctgcttct gaccctctct cctctctctt ctccatttaa 120
gaatgcttgt gattacattg ggctcaccca cccagtttcc taccctaata tccagggtaa 180
tctccaaaac ttaaagagag aaaacaatac tagcaccccc aaagcaccta cgtgttcccc 240
tactaatcac aacccaacc ctcccttctg cataagtaga catttgtaat aattctgtgc 300

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```

tttttgtagt ttgacctcct ctgcatgtat ccttaacaat acagttttgc cagctgttaa 360
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tcatttggtA ttacagtatt attatccaat atgacaatat tacagttatt gcaagtcgct 480
gtagttcatt tcactccagg aacactgcac aatttatttg tactctccac ttttgatggt 540
catttggaca ttttctgggt ctgtgtgggt attctgggtgc acatgggtaa gagtgtggtt 600
tgagaagatt ctgaggagtG ggactcttgg gttacagggt atatatatgt tttcatcttt 660
taaaaaaatt tatattatct atttttttaa agactagtca 700

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<210> 56
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 56
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gctgtgtggg tattctgggt cacatgggta agagtgtggt ttgagaagat tctgaggagt 120
gggactcttg ggttacaggg tatatatatg ttttcatctt ttaaaaaaat ttatattatt 180
cattttttta aagactagtc actgggcgcg gtggctcaca cctgtaatcc cagcactttg 240
ggaggccgag gccggtggat catgagggtg ggagattgaa accatcctgg ctaacacggg 300
gaaatcccat ctctattaaa aatacaaaaa attagccagg cgtggtggca ggcgcctgta 360
gtcccagcta ctcaggaggc tgaggcaaga gaatggcgtg aaccggggag gaagagcttg 420
cagtgaagctg acatcgcgcc actgcactcc agcctgggtg acaaagcgag actccatctc 480
aaaaaaaaaa caaaaaacaa caacaaaaaa agactagtca agggcagtag tgagaagggg 540
gaaaagagta gaacaaggag ttcgatctgt aactgactgt gaagtcaatt gagataattc 600
actaccttca gatcagccat gttttcatct ttaccagatc acttatatgc tttattttct 660
ttactttatat actttttaat cctgaaagtG tttctcaggg 700

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<210> 57
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 57
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gttcgatctg taactgactg tgaagtcaat tgagataatt cactaccttc agatcagcca 120
tgttttcatc tttaccagat cacttatatg ctttattttc tttacttata tactttttaa 180
tcctgaaagt gtttctcagg gaaacagtgg tattacaccc agttgttttag gtagaagaaa 240
tggggtatgt ctgcccttac agtgtgacct tcccaccttc tgtcttcaga accctgtccc 300
ctccacccca gatagccctg tgccctctgg aatccacagg ctggcccttc agtagcctcc 360
ctaccttgca gttgggtggg ggggtgggag aggtcaagaa agaggaagtg aaaaccaaat 420
acaagggcta cagagaagtc cgggccacaa acctcaatgt ttcagcagca cacgctgtga 480
gaaaggaatg tgcaagctgt ttgtggagca tgccttgggg gtgccaaagg cactggtgca 540
aaggtgtgct tctggacata agtcaactca cacaatgctc accccaaccc tgtgaggtag 600
ggtactgtca tcccatgtc acagaatgaa gacactgagc tgcacggaca ttgagtgtct 660
gtcaatacag tgcaatggtt aatagcatgg gatctaggtc 700

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<210> 58
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 58
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aagtcactcc acacaatgct caccccaacc ctgtgaggta cggtagctgc atcccatgt 120
cacagaatga agacactgag ctgcacggac attgagtgtc tgtcaataca gtgcaatgg 180
taatagcatg ggatctaggt ctgtttaaat tgggtttaaa ttctgacttc ccacttact 240
agtgggtgcag tcacctgggc cattactgac ttcttttggg gtcagtttct gcacctgtaa 300
aatggggcta attggctcac agggttgttg agagaggtaa aagatgtaat gtgtagaagg 360
agcttagtca agtgccaagc acaagggaga acccagtgga actaaaatga gcagagctat 420

```

```

gaaatgatga ccattataga gttcaagggt gacaggggtg aatgggggggt tgtcctggca 480
agctgggacc aggccaccaa ggtgctggtt tgggtgctatg tgagaatgga atgctggcca 540
ggtggactct gaaacatgga cacctggaca gtcctccac tgaccttgtc cacctttgtc 600
cggagctctc tacctatctg tggctgcttc caaggacggt gatttctgac agaggcagct 660
ggaccttggc acatgcagaa gtttcagctc agcatcagtg 700

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<210> 59

<211> 700

<212> DNA

<213> Homo sapiens

<400> 59

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acacctggac agtccctcca ctgaccttgt ccacctttgt cggagctct ctacctatct 120
gtggctgctt ccaaggacgg tgatttctga cagaggcagc tggaccttgg cacatgcaga 180
agtttcagct cagcatcagt gctggccttc aggaggccgc attggcaggc ggcagcagtg 240
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gggtgaccc tgcattcacc tctgagaacc ctgggaaacg ccaaccacag atgtgaaata 360
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cagcctgacct ccctccgctg gatgtctttt gtacaatggc tcactactgc aagaggcaag 480
agcctaggct acaagaagag tctgctacaa gctagtcctg ggcaggcctg gacagggaga 540
gggcaggggc tgctgtgcag gcggccccag gaccttcaag gacctccaag acttccgttc 600
acaccagca gctgccaacc cctgcccagg cctcccccaa cacagccgga gggcctgttc 660
ctggccccac ttcttgacagc cttgggaagc cggctagctt 700

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<210> 60

<211> 700

<212> DNA

<213> Homo sapiens

<400> 60

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gtctgctaca agctagtcct gggcaggcct ggacaggag agggcagggg ctgctgtgca 60
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ccctgcccag gcctccccc acacagccgg agggcctgtt cctggcccca ctctctgag 180
ccttgggaag cgggctagct tgagaaaggc gtgtggcact catggaggaa gtgggccggc 240
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gttggcggtt tcagtttttc acctcccttt ggtgcatctt ccagcttatc attaaataag 360
taaaactgtt gctccacccc agacaaatgt gggagggaag ttgtgtcttc aatatttccc 420
aaataacact cactgtctcc tcccattcat acagcacctt cgggtctggg agctgtgctc 480
acatctgcca tctcattaca tccttgcaac cctggcaaag gtaatgactg agctcacacc 540
atgtgtcagg gacatgaatg aattcacaga attcactgta attgtcccca ttttacagaa 600
gagaaaatga gacagagaaa ttcagtcatt ggctcaagg catcacataa ctaggatttt 660
ctcccagatg gctgagttcc aaagtctgcc ctattctctt 700

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<210> 61

<211> 700

<212> DNA

<213> Homo sapiens

<400> 61

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attcagtcatt tggctcaagg tcatcacata actaggattt tctcccagat ggctgagttc 180
caaagtctgc cctattctct tctgctacat tgctccatg gcacatacac aagaatgagt 240
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ctttgggagg ctgagggtgg tggatcacct gaggttggga gttcgagact agcctgagca 480
acatggagaa accccgtctc tactaaaaac acaaaaattg gctgggtgtg atggtgcatg 540

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cctgcaatcc	cagctactcg	ggaggetgag	gcaggagaat	tacttgaacc	caggaggcag	600
aggttgcgat	gagccgagat	cacgccattg	cactccagcc	tgggcaacaa	gagtgaact	660
ccatctcaaa	aaacaaacaa	acaaacaaac	aaaaacactg			700

<210> 62  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 62						
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tcacgccatt	gcactccagc	ctgggcaaca	agagtgaac	tccatctcaa	aaaacaaaca	180
aacaaacaaa	caaaaacact	gtcatgcccc	caccgccagc	ttgtctccct	ttcttttttag	240
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tcacctcccc	actgcctgca	cacactgggg	acagtcaaag	cattcctcag	gctgggggta	420
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acttctcgca	tgccaggcac	taccaggcca	ctgtggatgc	acagtgaaca	acacagacca	660
ggtccacgcg	tcacagactt	tacttccctg	agggaggcag			700

<210> 63  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 63						
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gggggttaggg	cagctgttct	aaggatgaga	catttcaggt	gaggagagga	atgggggtgga	360
gttggcagtg	gggctggttc	tcggctctcc	ccgactgccc	tccttccccg	cattccagtc	420
gcttcaggaa	atctgccgct	tccatgagag	cttctttggt	ggtgtcttcc	aagctgctac	480
caagcgatgg	ctttgccagc	tgttgctttc	agtgtttgtg	cctgggtgag	cacagccggt	540
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tttcagcata	agcatgacat	tagcttttcc	tagagaggaa	accacccccg	gggctgacag	660
caagcaggcc	aggcttaaag	gaagcaagtg	cagcgctggg			700

<210> 64  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 64						
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agttgttgca	atgccgattc	ctggctctcc	aggetctgag	gccgtacgtt	tgggcccctt	600
ggtgattctg	atgcaggctg	tggacctcac	catggcagtc	gtggcctcag	agaccatcag	660

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700

<210> 65  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 65  
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 gtggacctca ccatggcagt cgtggcctca gagaccatca gaacagctag agcacacctg 180  
 aggcacggcc tcatcctctc caagtcactt cctgccacag atgctcggga agtgctgctt 240  
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 gatagagaaa ttctattaaa ggaacttatg tgcttttgc ctgtctgttg ctccatttat 480  
 ttgcaattta tagcctaate caagaggatt taaggacaat taaatatttc tttccctca 540  
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 tgccttggtt tgaccgtggg gggagagggg gggcagggtt ccaggcctgc cagatgtaga 660  
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<210> 66  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 66  
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<210> 67  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 67  
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 gtgaccactg cagcatgctc tggggccagg cctatggcag tggaggcagg acagccccc 120  
 ggaccacaga gccccatag tggagggagc cactacttgg gcggctcagc tcattcctgc 180  
 tgacttgctg ctgtacaggg cagaggggtg cctgagacaa agaggagaca cacttctccc 240  
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 cagcctcctg acaagctgga gaagcaggat ttaagagcta gaatcaacgg agaattgtg 420  
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 catcgctaag atgtgtagt tgtgagaagg tgtgagaggt actcgcgttt ctctctccaa 600  
 ccccttccaa catattattg ggtcgtgggt gccatgttt tagtagacac ataaaataaa 660  
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<210> 68  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 68  
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 gggtcgtggg tgccatgttt ttagtagaca cataaaataa atgagtattt tcagagaagt 180  
 gcaaccctgg aggtgcaggg gagtgaactc agccatgaga aatcattcaa aggattgacc 240  
 tatggaacag ggatagactt gctctccatg gctccagcag ggaagcagca gagaggggaa 300  
 cctttcctga aagtcagtg tgacatctga agacacacac acacacacac acactttttt 360  
 gagagagaga acgagaatga aaagatacac actgatcttt caacagtcgt tgtctctacc 420  
 tgggtgattgc gaatgatttt aatttttttc ctcttggtgt tacagtattt tctaaaatct 480  
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<210> 69  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 69  
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 tccagaactt tttcatcacc ctcaacataa actctgcac cactaagcag tatctccctg 180  
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 tttcacttag cataatgttt ttaaggttca tctatggtat aacatgtacc agaatttcac 360  
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 cctcttggtc tggacatctg ggttggtttcc accttttggc tatttgtaat aatactgcta 480  
 caaacactgg tgtacaaata tcactttgag tccttgcttt caattctttt ggggtatatc 540  
 ctagaagtgg aactgcggga tcatatgata actaagtttt tgaggaacca ccacattggt 600  
 ttcaacaaag gctgcatgat tttacgttcc caatagcaat gcacaagggt atctatttct 660  
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<210> 70  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 70  
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<210> 71  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 71

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&lt;210&gt; 72

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 72

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&lt;210&gt; 73

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 73

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&lt;210&gt; 74

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 74

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ttcatgttgg cctagaaact ggggaagtacc tggcatgggg ccctccgctt cctcccatg 540
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&lt;210&gt; 75

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 75

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&lt;210&gt; 76

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 76

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&lt;210&gt; 77

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 77

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&lt;210&gt; 78

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 78

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&lt;210&gt; 79

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 79

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&lt;210&gt; 80

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 80

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&lt;210&gt; 81

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 81

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```

&lt;210&gt; 82

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 82

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ctgggcaaca tagcaagacc ctgtcttaaa aaaaaaattg 700

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&lt;210&gt; 83

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 83

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tcagttattt acactcctag tttcctttct ctctgaagc accactaaaa tgctagtcta 60
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&lt;210&gt; 84

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 84

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&lt;210&gt; 85

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 85

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gttcaataac tagaactagg agttagaatg cttctcttga 700

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&lt;210&gt; 86

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 86

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```

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<210> 87
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 87
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gagatggaga gacagagaga gggagaagaa aaagaaagca gaaggaaaaa ggaagaagga 180
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atgtggtatt ttgaaaaaa aaaatcaaca acaagaatga gtactaggat attagaaaaa 480
gaaagccaaa attaaaaaaa aaaatcaaca gaagggttgg agtatgaagt caatgaaggt 540
ttcccaagaa agtagacca aaaggcaaag agatgaaaaag taggagagaa aatataagga 600
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aaataatata agaaaatctt ccaggactca aagatgctac 700

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<210> 88
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 88
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tccaggactc aaagatgcta cataactcag cagtgcagaa tatgtccaca ttcactattg 240
agttaaccac agattgtggt atgttccat tggaaggatg gagagaggaa aagtggggat 300
ggttctgtag gaaagttcaa tcctcatcta tcacaagaag tcaacaaatg cctaaaatcg 360
gtagatcaaa aaatagtata aacagaaatg gaaactagta aatgggttgaa agaggcagcc 420
tatagagagg gggagtgaga aaggcgggga agggattttt attatgggct tctcagtaca 480
actgatattt aaaccatatt catgcattat tttttatttt gtttttaatg gatacataat 540
aattgtagat atttatgcag tgcagtgtga tgtttccaga catacatata gcatgacatg 600
atcaaatcag ggtaattagc atatctatca ccttaaacac ttgtcatttc tttgtggtga 660
caacattcaa aatcatctct tccagctatt ttgaatttgt 700

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<210> 89
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 89
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catatctatc accttaaaca cttgtcattt ctttgtggtg acaacattca aaatcatctc 180
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cgcttatgta gaagagtcac gcctctctaa gaatgctcaa tgaactggca taggtgggca 360
caagcaccat cagcatggaa gggttcctcc tgatgtcact ggccactaag gcagttggtg 420
gggtgagggg ggggatgaga gccaggcatg gcagccctta ggtggtcacc atttccctct 480
cctggcagcc tgtatttgct tgggagacct atctcttggg tatagatcct attgggctgc 540

```

```

taaagaagag aggtgctaat ccttttagga tgacttctgg gaattcacca ggatgccctg 600
cctctcctac tctggacatg gaaaaaaatg ctgggtttac caaagggtgga tgagtcaggc 660
ccaggactag agccacgggg cctctccctg gacgtgccat 700

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<210> 90
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 90
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ggaaaaaaat gctgggttta ccaaagggtg atgagtcagg cccaggacta gagccacggg 180
gcctctccct ggacgtgcca tagtcaggct gtctcggcag ctaaaagagg ctacacacat 240
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cagagctctg tgcagggact acttagcaaa cttacctgct gaaatgcact gttttttttt 540
ttaacctttt aaattgtcac ttttttttaa actataccat ccttagataa gcaggagata 600
ttcctttagt aaaaataaga aaatattaat aatcacccat gattctatca gtcagaaaac 660
tccactgctg gtgtatgaat ttccagaatg tttccaggct 700

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<210> 91
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 91
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ctttttttta aactatacca tccttagata agcaggagat attccttgta gaaaaataag 120
aaaatattaa taatcaccca tgattctatc agtcagaaaa ctccactgct ggtgtatgaa 180
tttccagaat gtttccaggc ttataaacgg gtaaaaaatac tatcacagtc catgtctcat 240
ctaagcaccc agctactgag caatcatcac ctactgggct gtgctgaggc ctttagatgt 300
gttaatctct cttaatcctt ccaacttcac aagatagggtg ttattgtgcc ccgtttacag 360
gcaggaaaca agttcaggga gatcacatta attgcctgag ttcccaagtt ggtaagaga 420
ctaagctaga tctcaaccct tcaggctgaa tccaaagcta ctttccttga atggtttgta 480
agatttttcc atttcttttt taaaaaaatg gtatgttcaa atatctttct catcaataaa 540
tatttatctt catcattctt cctaattgaca ttcccttgta tgaatgtgcc aatgtggaat 600
aaccagttcc gtcttggttg gctttcagat gttttctttt tgtaaatgat aaacaatgca 660
gttataacta tctttatata taaactttgc aatagtatga 700

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<210> 92
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 92
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tcctaattgc attcccttgt atgaatgtgc caatgtggaa taaccagttc cgtcttggtg 120
ggcttttcaga tgttttcttt ttgtaaatga taaacaatgc agttataact atctttatat 180
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agccctatgc tggaaagatc ttagtatata cctcttgaac taaaccagtc ttactttaga 420
aaaaaaaaaa aaaaaggcca ggcgcggtgg ctcatgcctg taatcccagc actttgggag 480
gccgaggtgg gcggatcatg aggtcaagag attgagacca tcctggccaa catgggtgaa 540
ccccatctct attacaaata caaaaattgg ctgggcgtgg tggcgtgtgc ctgtagtccc 600
agctacttgg gaggctgagg cggaagaatc gcttgaaccc gggaggcaga ggttgcactg 660

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agccgagatt gtgccactgc gcttcagtct ggcgacagag

700

&lt;210&gt; 93

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 93

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gaggatcaaga gattgagacc atcctggcca acatggtgaa accccatctc tattacaaat 60
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gcggaagaat cgcttgaacc cgggaggcag aggttgact gagccgagat tgtgccactg 180
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tggtctttatt gttgtcttac cttggtgtgt tttcctccaa taggctacaa actctggcac 660
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700

&lt;210&gt; 94

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 94

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aaagtctctt gggccttccc tttatccagc tgccaacact tagcaccctg gtcttccttg 60
gacagtttcc aaggtctact tgggcagtc caaacaagat gtggtcttat tgttgtctta 120
ccttggtgtg ttttcctcca ataggctaca aactctggca cctgcaaaaa acaaggaaaag 180
taaatgattg aagcagggca ctgaagggtg gcctttgaac aacgcaagcc tggatggaag 240
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tctactgggt aggggggtgg ggcgggtggt gtagtgaaga gtccaaaaac taacaagata 660
cataaattaa aaatatagga atcagaagtg gtaaatccta

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700

&lt;210&gt; 95

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 95

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700

<210> 96  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 96  
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 gacatgatgt aactcacatt ttaacaggat cactctggat gctgtgttga gaataaactg 180  
 agagaaagag tagaaccagt taggaggcta tggcagaaat cttggcaaga gacaatgggtg 240  
 gcttggacca gagcagtagc atggaggatt tgcctgatgga ttggaagtga gagattaaaa 300  
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<210> 97  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 97  
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 aatatgaaga cagagattta gcatcttggg gtcacaggtg 700

<210> 98  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 98  
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 tggctggtga cagcaggagg gctggaagca gaggagagg gatctaacct acattgggtc 360  
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<210> 99  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 99

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&lt;210&gt; 100

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 100

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&lt;210&gt; 101

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 101

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tgagggcatg ggagggcagg aatgagcccc aggcctaagg agccactcag atgccagagg 120
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&lt;210&gt; 102

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 102

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&lt;210&gt; 103

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 103

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&lt;210&gt; 104

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 104

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&lt;210&gt; 105

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 105

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cctctagttc agcataagct gaggcaaagg gggccccag gttccctcta ctggtgtgga 60

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```

gccagccgg caaggggact ggggatcggc ggcccagagt tgattgttgt ggccccagca 120
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gaccaggatg gttctgacaa ggacatccat agcatccaca gaggggtgctc cctccccagg 660
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<210> 106

<211> 700

<212> DNA

<213> Homo sapiens

<400> 106

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tcagttgatc tgcttgcttg ggctcccaa agtgcctggga ttacaggcat gagccaccgc 480
tcccagcaca ctctcccttt cttagccaaa gagacaccac ttggaggaaa ctacctggat 540
ctaggtgctt ccctagtgc aaaaatggac tggggatgtg gtataaatcc ttgcccctgg 600
gaatctggaa gggacctatg atatgagaaa aaacaaacaa acaaaacaa agaccaatta 660
tctctttatt gagacaaaaa ctgctgcttt tgctgaatg 700

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<210> 107

<211> 700

<212> DNA

<213> Homo sapiens

<400> 107

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tcttagccaa agagacacca cttggaggaa actacctgga tctaggtgct tccctagtga 60
caaaaatgga ctggggatgt ggtataaatc cttgcccctg ggaatctgga agggacctat 120
gatatgagaa aaaacaaaca aacaaacaaa cagaccaatt atctctttat tgagaccaa 180
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tccgcagaca gtagccaaag gtctcaggct ctggcccact ccacctgtcc atccacacct 600
ccttctcctc ttgcccctta ctcaactaac acagtgccca aaggagatg cagttgctg 660
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```

<210> 108

<211> 700

<212> DNA

<213> Homo sapiens

<400> 108

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tattgaggcc ctaaattaag tctacagaat taggcctaaa ctccgcagac agtagccaaa 60
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actcacttaa cacagtgtcc aaaggagat gcagttgcct ggacaggctg gctttggctt 180

```

```

aagctagggg ttcttaaaga atagtcccca gaccagcagc atcagcatca cctgggactt 240
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tctaggtgat tttggttgca ctaaagtttg agaaccactg ggtgagccat tccctgagcc 360
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taactgcctt cccacactga ttcccctcta acacacaaat gttactctgt aaaggccatg 660
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```

&lt;210&gt; 109

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 109

```

tttgtacccc catcccccat tctagtgaag gaccttcatt tctgcttctc tttgcagcat 60
gtattttctg ctttgtttta tagtaaacct tgagcagttg ttaactgcct tcccacactg 120
attccctctc aacacacaaa tggtactctg taaaggccat gtcttacttc actcattctt 180
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atgatgttgg ctactgcaa cctctgactc ctgggctcat gtcactctcc cacctcagcc 300
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cccaccttaa cctcccaaag tactgggatt acaggagtga gccactgcgc ctgggtgcaat 480
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gaatggcaag gtggctggca attgcaatac tttgagtagc actgagacag aatgcttcca 660
accacagggg gccccctcat gccccctcct gttgggaccc 700

```

&lt;210&gt; 110

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 110

```

atgtccactg aggatctgct ctacatggcg ggggctgtgc taggcactgg gggtcagaca 60
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aattgcaata ctttgagtag cactgagaca gaatgcttcc aaccacaggg ggccccctca 180
tgccccctcc tgttgggacc caccacaaaa gtaacctctg ttctaacttc catcaccaga 240
gattaatttt atctgttttt gccttttgtt tgagacaggg tcttgttctg tcgtccagga 300
tggagtgcag tgggtgcgatc atagcccagt gcagcctcaa acgcctagac tcaagcagtc 360
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tttttttttt tttaaagaga cagagtcttg ctatgttgcc caggctgggtc tcaaactcct 480
gggtctcaagc attcctcctg tcttgacctc ccagagtgtc gggattacag gtataagcca 540
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ctttcgggtg tctggcttct tcccactaca cattatctgt gcgatccatg tatgctgtta 660
tgtatagaca cagtttgttc ttttttaaga ttgctgtgtt 700

```

&lt;210&gt; 111

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 111

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gtcttgacct cccagagtgc tgggattaca ggtataagcc accgcacccg gccaatttta 60
tttgttttta aacttcatat aaatagaatc atacaatgta cctttcgggt gtctggcttc 120
ttcccactac acattatctg tgcgatccat gtatgctgtt atgtatagac acagtttgtt 180
cttttttaag attgctgtgt tgtatcccat tgtgtagata tgacacaatt taaccattct 240
actggtgatg gccatttgtg ttgtttctag tttggggctc ttatggagaa agatactatt 300

```

```

agacataaga caaaaacatt ttggtttatg tccgctgggtg gacattctgg acattcgcac 360
tcattcctct tgagtatgta cctagagggtg gaactgatgg tttatggaat gggatatagtc 420
ttagcttttag tagatactat caaatagttt tccaaagtga ttgtaccaat gtacactcct 480
accagcatat aaaagtgttt gccaacattt ggtatcatca gtcttcaatt ttagtccttc 540
ctgtgggtat agagtgttat cttttacggt ttaatttgct tattggctat ttatatatcc 600
acttttaaga tgttcctgtt taagactttt gcctatattg ttttttctta ttacttaca 660
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<210> 112

<211> 700

<212> DNA

<213> Homo sapiens

<400> 112

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ttaagacttt tgctattttg cttttttctt atttacttac aggaattctt tggaccttct 180
ggatataagc cccagtcgtc tgtcggatat gttacagaga atatcctctc ctcttccagt 240
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tgtgagccac cgcacccaga cgcctttcca ctctttaatg gtatttttga tgaacaaaag 600
ttcataaatg ttcaattttac ccattctttc atctatggct agtgtatcct gcttaagtaa 660
tcttagttcc aagaagtcca gttaacagaa ataacaaaaa 700

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<210> 113

<211> 700

<212> DNA

<213> Homo sapiens

<400> 113

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ccatcttttt catctatggc tagtgtatcc tgcttaagta atcttagttc caagaagtcc 180
agttaacaga aataacaaaa attactaata ttaaaaaaga caaagaagtg aaggaaaaaa 240
ttggatgggt ggtgtgggag aaggactgca tcagatcgtg agagtgtgct cacttgactg 300
tgctgtgcaa agcccgggcc ttgtcctgtg ttgtgggtat gatgggagct gaacccccag 360
gcagtgcac aaacatgccc tctgttttgt tcagatgctg cgccagggtg tggaaagggc 420
tctgtgggct gtagggggac cctggctcaa tggcttaaga gaaagatcac tccttttcat 480
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<210> 114

<211> 700

<212> DNA

<213> Homo sapiens

<400> 114

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gagtcaccac atagacagga ggagcttcaa ataacaagcg ctgactcca aacgatccct 180
atgctcattt cagcatgctg catcactttc aaaatcccct gtgatgcttg tgtatgaagt 240
ctagatccag aaactttccc catgttttcc ccagtttgag tagaacaata ccctgggagt 300
cacaagctac atcatacaat tgacttccct aaaaaaaaaa aaaaaaaaag agatcttgga 360
ctcaaggtta tgagtttgca gtgtcctttg cagggtcttt taaatcccct agtggcata 420

```

```

gaaactcttg atgtttgtga attttcctgg ggaaaggggtc tatgtgtgcc atcagattcc 480
ggaaggggtg tatgacctca aaaaaaggta agactcactg gaccgagtcc cctttaagga 540
tagtttgag tctcttctg ctgggagggtg atggtagtag gcttgccaag aggacctcaa 600
cctaccagat ggatgcgatc tgccatccac ctcccagca taaagccagt tcataaagcc 660
agctccagca tctctggggc agttttcttc ccatccaggg 700

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<210> 115
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 115
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gctgggagggt gatggtagta ggcttgccaa gaggacctca acctaccaga tggatgcgat 120
ctgccatcca cctcccagc ataaagccag ttcataaagc cagctccagc atctctgggg 180
cagttttctt cccatccagg gtcaagctct tggcggtta gagatgcagt gtgccagtcc 240
caacaccatg gctgtgtgtc actgcagatg aaggcatact ttttttctag gacgtgcagt 300
gacccactt ggcagcagac actcatttct gatatttttg tatgccaaagt cttgggtaaa 360
acaactaagt gatctcttaa ggaccagggt tccttttttg tcctgttcc ttgccctca 420
ccaccacttt ttccatgtgc caccctctca taagaactca gaagcccagg gtggagtcaa 480
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ggaaaggggtc tatgtgtgcc attagattct ggaaggggtg tgtgacctca aaaaaagggt 600
aagaccact ggaccgagtc ctctttaaat ggaagtgcac ggatcagttt gataaaatta 660
atttatagta atgagctatg tatctttagc taactgcact 700

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<210> 116
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 116
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cctctttaa tggaagtgc tggatcagtt tgataaaatt aatttatagt aatgagctat 180
gtatctttag ctaactgcac ttctaaaaag acatctggga agggagaacg cttaactaaa 240
attattatta taattattat ttttgagat ggagtattgc tcttgtcgcc ccaggtctg 300
agtgaatgg cagatctca gctcactgca acctctgcct ccaggttca tgcaattctt 360
gtgcctcagc ctctgagta gctggaatta gagtgccca ccacctgcc cagctaattt 420
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cctcaagtaa tctgccacc tcagcctccc aaagtgttg gattataggc atgagccact 540
gcacctgacc taaaattata tttctaata caaaactgag gtacagctca taactaaata 600
ggggagaatg acattaaagc cactcccatc actaaaaaag accaattttt ctggtctaga 660
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```

<210> 117
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 117
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ccactcccat cactaaaaaa gaccaatttt tctggtctag atggcttttt agaggctcct 180
ggagcaggaa caaggggtta gtgactacga tgtgtcaaaa gagacatagg catttctcag 240
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aaggaccctg tttccacctc atatcagatt gtcaaatggg aaggggtgtgc ctagggcaca 360
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tgctctctcc tggagacaag atacagctgc ctgtatgagt agcagtctgg ggcctcctcc 480
tcctccctc tgccccacc cactcctccc tgcccgcccc catacacact gggttcttcc 540

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```
tccccctgctc tctctcaaga agccaggccc ctgccccccac tcacagtcag aaggaagtga 600
ttctgcaagg cctcccaggg actcccagga ctggctcaag gcacagact gttaaataag 660
tggtattttt tcagtgtttg tagaaactgt tgtttaaaaa 700
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&lt;210&gt; 118

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 118

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aagccaggcc cctgccccca ctcacagtca gaaggaagtg attctgcaag gcctcccagg 120
gactcccagg actggctcaa ggcacagac tgtaaataa gtgggatttt ttcaagtgtt 180
gtagaaactg ttgtttaaaa agatgtaacc atccaaactg tttatgtaac ccttgggaag 240
tctcaacaga tatggttccc tatttataac tgtggccagg actttaaaaa tacaagtgga 300
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agaactattt ctctgaagtg gaggttcaaa ataggggttt ttagaatgac caaataataa 540
tgaacactaa aattcatttc aaagcctagg actagtctat tcatactgat attcctagtc 600
tacaagggta aacatagctg tcttctcgcc gccagccctt acacctgcag gggcctgctc 660
tgtctctggg ttgtccgctc tggaggtagg tgtcagacca 700
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&lt;210&gt; 119

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 119

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ggaggttcaa aataggggtt tttagaatga ccaaataata atgaacacta aaattcattt 60
caaagcctag gactagtcta ttcatactga ttttcttagt ctacaagggt aaacatagct 120
gtcttctcgc cgccagcccc tacacctgca ggggcctgct ctgtctctgg gttgtccgct 180
ctggaggtag gtgtcagacc acctggtctc actttcctag gtccaatctc tggatctatg 240
gcaacagaat ccacagggtc ctattcccat acagggggaa tgcaaagttg ctgggggaca 300
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agaatccgac gagagctatg cctccaccaa aggcacagtt tgataacact ttgggggaagg 540
atgggttcata gctcctgaag aagaaagagt ctgtgataag aacctctggc ccacaggctt 600
cttcacacta cacaacttcc aaaatcccta accactgcta atagctagga ggaggatagt 660
gactgttccc aacacaaaga gatgacaaac atttgagatg 700
```

&lt;210&gt; 120

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 120

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gaagaaagag tctgtgataa gaacctctgg cccacaggct tcttcacact acacaacttc 120
caaaatccct aaccactgct aatagctagg aggaggatag tgactgttcc caacacaaaag 180
agatgacaaa catttgagat ggtggatatg ctaattaccc tgatgtgatc actatacata 240
atatgtattg aaacatcatt atgtaccttg taaatatgta taatcattat aacacacaat 300
atgaggtccc agacaatgat aatacataat aattatacgt ttatgggata catagtgatg 360
tttcaatatg tataaattga agtgggtgta attatgtata aattttaact acattaaaaa 420
ttacagaaaa ataaatttta aaaaacaaaa caaaaaaat tcttaactgc tgtcaagcta 480
gcactgacaa ccgaagcctc agcccagtac ctccctgctt ccacctgtgc tgaccaccct 540
aagagagaag gcagaggcac acagccctta catcttgggtg gggaaaccct agggtttcct 600
ctgagggcct gacagattga aggggttgaa aatgagtgga ggggtgtggcc acctcagctc 660
```

tagcctcctt ctgctgaggg acagtggcca aggaacatcc

700

&lt;210&gt; 121

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 121

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cagcccagta cctccctgct tccacctgtg ctgaccaccc taagagagaa ggcagaggca 60
cacagccctt acatcttggt ggggaaaccc tagggtttcc tctgagggcc tgacagattg 120
aagggttgga aaatgagtgg aggtgtggc cacctcagct ctgacctcct tctgctgagg 180
gacagtggcc aaggaacatc ctcatagatc caaaggaagg tggagagtcc ctctttgtcc 240
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aacccttagc cacttcccac aggtccactc ccaggaagt tctttaattg gtggatgtgg 360
gaaagaggaa gaggaaaaat atcattttct ccttcccaat tccctgtatc ccatgagcct 420
ccagtctgaa aatgattacc catctgacct ggagctctca tcctaggtat cataatggct 480
cttcttttac ccataaggag aatgggtaat gaagaaatgc aaaatcccaa ctcatgaaaa 540
tgtggttgaa aaagggaaga ccataaaaag ttctcatttg ttgaccagag acaataaagt 600
gattacttaa aaaaaaaaaa acccacctct ggggtctttc caaatcatgg agaaaaataa 660
aaacagggga agacatgctc tagtcttaaa actccaatgt 700

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&lt;210&gt; 122

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 122

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accataaaaa gttctcattt gttgaccaga gacaataaag tgattactta aaaaaaaaaa 120
aaccacctc tggggtcttt ccaaatcatg gagaaaaata aaaacagggg aagacatgct 180
ctagtcttaa aactccaatg tggccccaga ctggtgagcc ccaacaacag taaataccca 240
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acacttattg accatgtact gtgtgcttcc aaccattccg ggagtgggaa ttctgcaacc 360
tcaaggtgct ttgcgaggag cagggaaaca gctcagtcaa catttactgt gtgctgacgt 420
tttgctaggt ttagaggagg caaaaatctg agaaaaaac agctaagaat actccaatct 480
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aggtcaacca gagaagatga tttttaagtt gggccttgaa agcacattag gattttgctg 600
ggtataactg ggaaggagtg gcattccagg cagaaagaac tgagtgagca aaggtcaggg 660
ttggggttgg tatgggcagt tggttgtatg tgatacggcg 700

```

&lt;210&gt; 123

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 123

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ggcattccag gcagaaagaa ctgagtgcag aaaggctcagg gttggggttg gtatgggcag 180
ttggttgat gtgatacggc gtgtagtgc gccagtgttg ccagaacacg gggctagaga 240
gcaagagcaa aggaggtgag gctaaaaggc aggtgcagt ttatggcagc cacgaacaca 300
tgccattcaa aggacctgtt gcatggagtg cagacagctg acaggctgca gcctcggatc 360
cacaccattc aagtcagacc atgttgcttc ctgggtggcc ccagccaat gacagaacat 420
ggcaggggtg ctggggcctg tccattttctg cccaaagtgc gactcttctc ctgggcaatc 480
tttggttgga actccccact gggctcgttg agacactctt acagccgcat cacagtctga 540
tgctctttca acagaattat ccttccctct cttgcgtccc agagtttagat ctggactgca 600
gtctgaaagc tgtcttttct ctccgtactt ctgctccttt ctcttttctc tttcataggc 660
attagctctt cttaccccca ataaatcttc tgcacttttc 700

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<210> 124  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 124  
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 tctccgtact tctgctcctt tctcctttat ctttcatagg cattagctct tcttaccctc 180  
 aataaatctt ctgcactttt cattctgttt tgggtgtctgc ttcccagagg actccaactg 240  
 agaaggagct tagatgaatg tttgggtttt gctgacagtg aggagccact gaggtatttt 300  
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 agagccgggg ggtggggaga cagggaagca acaggcaatg aaaagaccat ttaaaaggac 420  
 actgcactga ttggtacaag gtttcaacaa gggggcaactg gaagtatata caacttacta 480  
 tgtatatacc ctttaactca acagtctcaa ttgtagaaat ctattttata gaaacactag 540  
 cacaaatgca taaaagtata aaaatgagga tgtagtggcc tataaatatt atcaggacat 600  
 tgaaaaactt tgtggtcatc tgtaggggag gagatgaact agcagtacat ctacgtgggtg 660  
 gaatacatat caagcagcct ttaaaaagaa gacagcaggt 700

<210> 125  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 125  
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 aaaaatgagg atgtagtgcc ctataaatat tatcaggaca ttgaaaaact ttgtgggtcat 120  
 ctgtagggga ggagatgaac tagcagtaca tctacgtggg ggaatacata ccaagcagcc 180  
 tttaaaaaga agacagcagg tctctatgta ctgtcataga gaaatataca caatagactg 240  
 ctatttgtaa aaagccgggt gctagccggg agtggtggct cacgcctgta atcccagcac 300  
 tttgggagac tgaggcgggt ggatcacctg aggtcaggag tttgagacca gcctggccaa 360  
 catggtgcaa ccttgtctct actaaaaata caaaaattag ttgggcgtag tggcgggtgc 420  
 ctgtaatccc agctacttgg gaggtctgag ctggagaatc gcttgaacct gggaggtgga 480  
 gggtgcagtg agccaagatt gtgtcactgc actccagcct gggcaacaga gtgagactct 540  
 gtctcaaaaa aaaaaaaaaa aaaaaagcca gttgctgtac aaagtatata gcattgtccc 600  
 attttcatga acaaagctgt gcatacgtat atttataaag atccacattt gtttgtataa 660  
 ataagtctgg aaagagatat atcaactgtt gacagagggtc 700

<210> 126  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 126  
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 aaaaaaagcc agttgctgta caaagtatat agcatgctcc cattttcatg aacaaagctg 120  
 tgcatacgta tatttataaa gatccacatt tgtttgata aataagtctg gaaagagata 180  
 tatcaactgt tgacagaggt cacctcttga aggtggtagg gctttcactt tttactttct 240  
 atgttgTTTT tattttcttt ggtgcttttc tataatatat tttctacttc ttaaaatgat 300  
 gaagatgggt catttctctt atcagaacac aaaattttta tttaaaaagc ttcatatcta 360  
 cttagaaaac catataaaaa ttctttatat tgtattttca gagaagaaat aacaaaaatc 420  
 tcctagaatc gttgagaggg ctgtcagcgg cctggctctg gttaaagagaa attagagatg 480  
 agttggaata gagccgaaca cagggtgggtg aagacagaag ttccagaaga agccaagagt 540  
 gctatcttga gtagtgggca ggtgaccac agaaggcggg tgggtgggaa gtaggagtga 600  
 gaggggtctg tgctgaatgt gccagccttc aggaggctca ggccaggaca ggggtgtataa 660  
 acaagagggt acgctggctc ctgctttaga actcaggaga 700

<210> 127  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 127

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aggtgaccca cagaagggcg gtgggtggga agtaggagtg agaggggtct gtgctgaatg 120
tgccagcctt caggaggctc aggccaggac aggggtgtata aacaagaggt gacgctggct 180
cctgcttttag aactcaggag agtattttagg cctaaacact tatgacctac aaaagattaa 240
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gaaaaaccag aaaaatatgt gtgaatactt atctaagggg ggaagaattt tggataaaaag 360
agcaaacagc atttttaaaga aatttttagcc atattaaaaa caaacaccaa gacttttaaaa 420
acagaactca taaacaaaat caaaagacaa gcaaaaacaa ggaattatat ttacagcaac 480
actgacagaa aggacatgtc cttcatatat aaaaaacata tgggtgggtg tggctcatgc 540
ctgtaatccc agcactttga gaggccagca tgggtggatc acttgaggtc aggagtttga 600
gaccagcttg ggcaacatgg tgaaaccgtg tctctactaa aatacaaaaa tttagctggg 660
catggagggt tgcgcctgta atgccagcta ctcaggaggt 700

```

&lt;210&gt; 128

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 128

```

ccttcatata taaaaaacat atgggtgggt gtggctcatg cctgtaatcc cagcactttg 60
agaggccagc atgggtggat cacttgaggt caggagtttg agaccagctt gggcaacatg 120
gtgaaaccgt gtctctacta aaatacaaaa atttagctgg gcatggaggc ttgcgcctgt 180
aatgccagct actcaggagg ttaaggaagg agaatcgctg gaattgagga ggagagttt 240
gcaatgagct gagattgcac cactgcactc cagccaagga gacagagtga gacttcatat 300
aaaaaaaaa gcaaaaaaca aaacaacaac aacaacaaaa ccaaaaaaac acagatgagt 360
ttgtaatcag taataaaaat acactctcca aagaaaaaca gcactggagc tgggcatggt 420
ggatgtgcc tgtaatccca tctactcagg gggccaaggt gggaggattg cttgagccca 480
ggagttcaag gccagcttgg gtaacacagc aagatcccat ctctataaaa aataagttag 540
ccaggtatgg tgggtgcacac ttgtagttct agctactctg gaggctgagg taaaaggatt 600
gcttgagccc aggagttcga ggctgcagtg agctatgatt gtgccactgc gctccagtct 660
ggttgacaaa gcaaggccct gtctcttaaa aaaagaaaga 700

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&lt;210&gt; 129

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 129

```

ggtaacacag caagatccca tctctataaa aaataagtta gccaggtatg gtggtgcaca 60
cttgtagttc tagctactct ggaggctgag gtaaaaggat tgcttgagcc caggagttcg 120
aggctgcagt gagctatgat tgtgccactg cgctccagtc tggttgacaa agcaaggccc 180
tgtctcttaa aaaaagaaaag aaaaagaaaa acagcattga ttatgggtatt gtgtattata 240
aacattattht tgtattgggtt agaattttgt tcagttacat aaaacagaaa acaatagtgg 300
cttaagcaag atgggatttt ctttctttct ctcactgaaa aaaaaggctc agaaatgatc 360
agttcagggc tgggttgggtg acttcagggtg tcaccaggga cctacgcttc ttctggctca 420
tcttgcccc attcctaaag tgcagctctc attctcatgt cttgtggtag ttgctagagt 480
gatagtcacc acatcctcat ttaagaaagt aggatggaga aaggagggtg aataaagggc 540
acacccctc ctgttaagga gctggcttcg aagtcccata tgacaccac ttgcatccat 600
tgtccggaac ccagccacat gatcacactt tgctgcaaaa ttgccagggg aacgtagttt 660
tcagctgggt ggaaaaggga tcagcaaaaa atttggtttg 700

```

&lt;210&gt; 130

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



&lt;400&gt; 130

```

tttaagaaag taggatggag aaaggagggt gaataaaggg cacaccccoct cctgttaagg 60
agctggcttc gaagtcccat atgacaccca cttgcatcca ttgtccggaa cccagccaca 120
tgatcacact ttgctgcaaa attgccaggg gaacgtagtt ttcagctggg tggaaaaggg 180
atcagcaaaa aattggtttt gttactaaga aagagggaat ggatactgta gagcaatgag 240
cagtttctaa catacatgtg acaaaaatta tcaaaagaaa tacaaatgta aaagatttca 300
gggtcaacct taccaacagt caaatataag taaagcaggg ggctttttat ggtcttgtct 360
ggctaaggta ttgaagagct ggccagacaa gtcatagaaga cagtcaagaa ctgactgtct 420
tcataaggac cgactgtctt cataagaacc ttgggacaat gcacatgaac agaacagagt 480
ttcagggtaa aaatggccct ttctcccaa ctagatggct caaggaccca agggccactt 540
cctggctgtt ccccaaagt ctccctcaa ctcccaagt acatcagatt ctgtaaattgc 600
tgggaagtag agaaaaattc tgtaccagg gattctctaa ctaaaactatg gctaaaatta 660
aatttttaggt gtttttgaaa gtctctttaa aaaagtaata 700

```

&lt;210&gt; 131

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 131

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tttctcccca actagatggc tcaaggaccc aagggccact tcctggctgt tcccccaaag 60
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ctgtaccag ggattctcta actaaactat ggctaaaatt aaatttttagg tgtttttgaa 180
agtctcttta aaaaagtaat atcctcatgc aaactgaatc agcagtttca gaacttaaaa 240
aaaaaaaaag aacctctgtc gtattcttgg ggtatcacia attaaacatg aaaaccagcc 300
actaaaataa ggaccagtgt ttggatacta catgggggtg atgttaggca acctcaagtt 360
atgtcttttg gcagattcag gactttatgt gagctccac agatgggtgat gtcaatgccca 420
ccacccttca gaaggcacag agaaggaag tgcagaggac acggcaagtg tggattccac 480
aggcttctga agttcatagg cctattttga atagtattg tgcctttctc aatccagacc 540
agcatcagtt acctctcacg atttatttga aagcatttac ttctagtgtt tgctctttt 600
aatggttgc tgattgggaa aaataaccaga gtaactgat gtttcatgaa gtctggggga 660
gacgatcttt agggcatggg aagcaatatg atataatgac 700

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&lt;210&gt; 132

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 132

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gcctattttg aatagttatt gtgcctttct caatccagac cagcatcagt tacctctcac 60
gatttatttg aaagcattta cttctagtgt ttgctctttt taaatggttg ctgattggga 120
aaaataccag agtaaactga tgtttcatga agtctggggg agacgatctt tagggcatgg 180
gaagcaatat gatataatga cgaaacgtgc ccatgctttg gaatcagaaa cacctggatt 240
tgagacctag ctctgtggtt taccagctgt gtgttctggg acaagttatt aaacttctct 300
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cctaaagcga cctgataggg accgggggga ataacttaac cacttgccct cctcggggaa 660
ctcctgacct catcttctg agtccttcca tctcttgcta 700

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&lt;210&gt; 133

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 133

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gggatgaagg aagggaataa atgggtaagg ggacccaaag gaggcagcta ttggaagggt 60

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gtctggcagg agctgtgggc tccagtggag gatgcagttg gcctaaagcg acctgatagg 120
gacccggggg aataaacttaa ccacttgccc tcctcgggga actcctgacc tcatcttcct 180
gagtccttcc atctcttgct aatgctcccc atggaccaaa tctaactaga atccagaggc 240
aagatagatg agtgatgtgg ccatttcagg tcagcctccc aaccagagc aggtagagag 300
gacggagagt ggatctgcag gagcaaacag aagattaatc aaaatagaga ctgtgatgag 360
gttagcataa tgcttggaa atagtaagtc cacaagtcct caacaaatgt taattttatt 420
tggacttttg actctctgtc tgctgtttt gcttattgct tacttcctgg ttttcatcag 480
ctcatgtata gttgagataa cttccaaata atcaagtatt gttatctata ttggagtgtt 540
ttgaaggagt aatgagtgtg taaaaaagat aaccagatac tctggggatt agagatgaca 600
gagggaaaca gaggaagggg agtaagtaag agaaaaggat ggagaaaact gtatgttccc 660
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<210> 134
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 134
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ataaaaaaga taaccagata ctctggggat tagagatgac agagggaaac agaggaaggg 120
gagtaagtaa gagaaaagga tggagaaaac tgtatgttcc ctatgaggct ggaatgaacg 180
caagattatc ttactttaaa atcaaatacat gcacttattg ggatgtgata acagtgcgtt 240
tgcaatttta cagcccagtg agacttgcca gaaagggatt ttgcaaggaa ggtcttcctg 300
ccctaaagga aaacctagtg cttacttcca gattaataag tcttaacca tcatgcctgc 360
tcccccaaaa ccaagtagtc aaatgtgtta acctggatgt ttaaatacct gcatgttcct 420
gcctgggtgc ctgggtcagg tgaatgttct attctgattt gggaaatggc tagagtgtgt 480
tggtcgtcgc ctgggatagc tcccaggtag gaagggagcc ccagagagtg gtctgaacag 540
tgactcataa actcagtgtc ctttctcca gcctttacca gctgctgact tggccctta 600
ggaatctgtc ttcattccgc aagctattct ccagtgtctg gttcaggctc tagagcagag 660
cattccaggc tttctgtgat tcctggccac ctgttccatc 700

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<210> 135
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 135
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caagctattc tccagtgtct ggttcaggct ctagagcaga gcattccagg ctttctgtga 180
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taccctccag gcctttgcac aggccactct ctgtgcctgg gacatacatt ctcttctg 300
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cactcacagc acttccacac tgtcttggtt tcctggctca tctctcccaa cacactggac 480
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tggcactcag agggcatgca ataaaacttt actgaatgaa ggtttagcgc gtaattcaga 600
aaataagcaa gaaagtgtca caaacaccaa agcaagttaa ccaagctata tgttctagaa 660
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<210> 136
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 136
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aataaaactt tactgaatga aggttttagcg cgtaattcag aaaataagca agaaagtgtc 120
acaaacacca aagcaagtta accaagctat atgttctaga acattcttcc tctcctctg 180

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tcactctggc tctcctgccc ctacagcaga caggacagag tctgctcttt cacctgctct 240
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ctacccaatc caaagcagtc actcagtcac ttgattacac ttcagtcctat tttaatattgt 360
tagagagcac ttactgctag caccaatggt ttatttctgt gttttctttc tatctccacc 420
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ggtgctctag agaaactcag aaagggctga gtctccttat gacattgcag ggtgggaggg 660
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<210> 137

<211> 700

<212> DNA

<213> Homo sapiens

<400> 137

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gaaagggctg agtctcctta tgacattgca ggggtgggagg gggacctcag ttcccttcct 180
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tggctgggag cagaaactgg cctcactttc tggggcctgc tgggcagaca atgcagctct 540
ctagctgtgc cacagaacag ggcaaatctt tactagctgt ggactcactc cctgcccctc 600
ccattcctgc agaaattgct ctaccagctc agcagagggc caggctctgga atctctcacc 660
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<210> 138

<211> 700

<212> DNA

<213> Homo sapiens

<400> 138

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gggcaaatct ttactagctg tggactcact ccctgccctt ccatctctg cagaaattgc 120
tctaccagct cagcagaggg ccaggctctg aatctctcac ctgtccctgg cccttccttt 180
aagccctctg gtttactgga aatcataaac tgtgagacac agcctttatc acaccctgaa 240
cagttcactc ttaatattta atgctggagg ctaaaacaac cagggacact ggaggcctcc 300
tgcttactct cagtgactga tgtttgcacc tggtaattga ggtcagggtg cttctcttaa 360
gtcacatgat ttgctgcaaa gcaggaaggt gtcggggcca cttgttgcaa agagaccagg 420
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ccagccctag gagtgtggag ctgggctggc agctggtaaa tgaccctctc ggggcctgaa 540
taaaccctag cttttcactc acagcaaaact caggatgcct tcctccctct aaaagacctg 600
ctgaattgag tcactttcaa tcctttctgg agtaggatgg ggcattagtt aattaacaaa 660
ttaattaagc atgctaaata gtcaccacga agatactggg 700

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<210> 139

<211> 700

<212> DNA

<213> Homo sapiens

<400> 139

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cacagcaaac tcaggatgcc ttcctccctc taaaagacct gctgaattga gtcactttca 120
atcctttctg gagtaggatg gggcattagt taattaacaa attaattaag catgctaaat 180
agtcaccagc aagatactgg tcacttaagg gtctccaaat cacagtatag gtcccacct 240
accagacac ctaatcttgt ttcagggttt gcttgacctc aggcatttat ctctgggtg 300

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tccttctaag	gcagtggagc	tccctgggtgg	ccaccagcca	cccgggctcc	aggcagccca	420
acacacactc	ccatgctgag	gtctctcgca	tgacctctct	aggcacacag	taggtgctca	480
gtaaatgctg	tggcatgaag	gacctctctg	gagtgtctga	gttctcaggc	ttcaaggccc	540
ctagataagc	agatttctct	ccccatcac	catagtcacc	ccagggactg	cagggcaggc	600
cgaaatcagc	cagtgactca	gctccttggg	caattcagct	ggcccacaga	ccacttcctc	660
tgctccccag	cgccggatgg	atgcagatct	gtgagtaagg			700

&lt;210&gt; 140

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 140

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tccctatca	ccatagtcac	cccagggact	gcagggcagg	ccgaaatcag	ccagtgactc	120
agctccttgg	gcaattcagc	tggcccacag	accacttcct	ctgctcccca	gcgccggatg	180
gatgcagatc	tgtgagtaag	gagccagctg	caggcaagca	gctcgagggc	aggtgggcat	240
gatgtctggc	taccactcgc	actggacgcc	acacacacag	ccagggtggc	agaaggcccc	300
acctgccatg	tgccagtggg	acaccacctt	catgggtctgc	gtttccagggt	ttccaactaa	360
ggactgagca	cactctcaac	atggacctcc	taactgctct	cgaggatgga	cagctggcct	420
caagggaaca	ctgcaaagtg	gctctaggaa	gaagccactg	tccctccaga	ccataaaaat	480
ggctaccaag	ggcagagcca	gcagctttcg	ctgtaaagtt	tctcaagaaa	atcacagata	540
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gtgtgggctc	tggaatgaga	catgtgaagc	ccgggtctgc			700

&lt;210&gt; 141

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 141

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gctcagcctg	gaaaggaggt	aagaaagacc	agactacctg	atctctcaag	gtcaccaaaat	120
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ttgaaactct	gtttctaaat	ctggttatgt	gaatgaaaagg	ggctaattta	tgtaacactt	300
ttagtatact	aagccctcaa	tatagtttag	ctacttaact	attgtcttct	ttgaaggacg	360
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actgacatgc	ttaacgatga	tgatgatgat	aaaaatagct	accacgggct	accacgtgca	660
cacacatggt	aagcagttca	aacaggttat	tttgtttaat			700

&lt;210&gt; 142

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 142

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ttttatagag	gtagaaactg	agagttgaag	aggctgaata	atttctcaag	cacactccca	300
actcgaccac	ccacaagcaa	aaaggcagag	ctgggattca	aacacaggta	tgactgtgtg	360
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agaaatctac ctgtgtgggtc tttaaaccta ctctgacagg agcaagggcc accactctgt 480
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atctatgccc ctgcccccta ggcgaaaagt ctgtttctct tcccaaatgg cccgctggga 600
gcaactatatt agggagacca tacctcctcc cacactcagt tcccaggcct gagccacaga 660
gtcctgccac aggaggaggg acctgcctgt cctgctccct 700

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<210> 143

<211> 700

<212> DNA

<213> Homo sapiens

<400> 143

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atacctctc ccacactcag tttccaggcc tgagccacag agtcctgcca caggagggag 180
gacctgcctg tcctgctccc tccccactcc aggttccttg aggcctctgt gatgattccc 240
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agcacagcac tcctaacccc ctctgcctct cacagaacaa agagggagtc atgccatgtc 360
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aaagaccact ggctgggac tccatgagcc ctggcttcta tctctggctt tatcaggta 600
ccacaggcaa gtcacctagc ctccatgggc taggcctcc tgctgttgg gtgggaatca 660
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<210> 144

<211> 700

<212> DNA

<213> Homo sapiens

<400> 144

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cctccatggg ctaggccctc ctgcctgttg ggtgggaatc attacatat acaatcatta 180
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ttttacagag atcaaggaca gaggtaaaag tgttttgaaa gcaaaaaaaaa aaaagcgggg 480
aggatgcata aaataaacat aaatcacccc ctgccccgcc cagacataat tcagggaaga 540
gtcctaaccc ccaagaacct tctgtggaac ttattcgcaa catcagagac ctccaacata 600
gaaatgaccc tcaataagtc atttctttct tcctctttcc cttcaggcag gaataatata 660
actaactgaa ttatacaggt gagaccacga aggtcaagca 700

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<210> 145

<211> 700

<212> DNA

<213> Homo sapiens

<400> 145

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ttctgtggaa cttattcgca acatcagaga cctccaacat agaaatgacc ctcaataagt 120
catttctttc ttctctttc ccttcaggca ggaataatat aactaactga attatacagg 180
tgagaccacg aaggtcaagc aagggtgacc agcttaggcc cctggctggc aggtaaggag 240
gagactgacc ccagcctcct ggctcctagg ggaggaaaca gtgatgacaa agggcccttt 300
gcatggccaa ggtggagccc tttctaccaa agtttaaacg ttttagtata atatccaagt 360
gcatcttttc caaccttaaa aacatattta atttccttat aaagctgggt ggcactctcc 420
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ggttagtcca gccagaaaag ggatgatata ggaggatact gggttgatca aaggctctct 540

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gggagggctg cagatttaga gccagtcagc caggaacgat gcctgaaaca taccttagag 600
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<210> 146

<211> 700

<212> DNA

<213> Homo sapiens

<400> 146

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ctacctttct tcaatagctg gcaaggtggc aaggtctggc cccatgcagc ctgggtctct 180
cccactctcc tctctcccta atgcgttgcc ctactcgtg cttcccaggc aatcccacct 240
caggtctatg aacttgccat tccctctgcc tgcaacctag acattcacat tgctagctcc 300
ctggctagct caaatgccag gtttctgcac aaatgctcct ccttagagag gccttctctg 360
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ctgctcctta acattgtgtt atacattgtc tgtctcccca actggaatgt aagtggcacc 480
agggcaggga cttgggttgt tttgttccct gctgtaagcc cagggcccag ggccagacct 540
ggaacaatta ggtgctaagt tatttgctga atattctatg aaggaatgac aaaggaatgc 600
ataaagaact tcaaagttca actcctcgaa cttcaaactt caaatcccca actcctctctg 660
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<210> 147

<211> 700

<212> DNA

<213> Homo sapiens

<400> 147

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aactcctcga acttcaaact tcaaatcccc aactcctcct gcctatgctg gacgattagg 180
gcagtaacag gagtcaactt gtgctgtgct gtcaccttgc ctggatccgc atcagccctg 240
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gtatagactc agagtcaccc aaggtcaggg ctgggtggag ccttggtcac atgcaggcca 540
acctgtgtct ggagataatg caagccagtg caggggttag cgtgtacatg gactctggag 600
tctggcagat ctaagcccca cccaccaacc tgtgaccttg gagaattatt tgaaaagaca 660
ttatttgaaa agcagatgta aaatggaat aaaagttcct 700

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<210> 148

<211> 700

<212> DNA

<213> Homo sapiens

<400> 148

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acccaccaac ctgtgacctt ggagaattat ttgaaaagac attatttgaa aagcagatgt 180
aaaatggaaa taaaagttcc tatttaaaac agtcagttgt cccccattca gaagcctatt 240
acagttgtcc ctcagcatct tcgaggaatt ggttcaggga cagctcctca gataccaaaa 300
gccacgatgc tcaaattcct tataaaaagt gacgtagggc tgggtacaat ggctcgtgcc 360
tgtaatccca gcactttggg agaccgaggt gggcagctca cttgaggtea ggagttcaag 420
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ttggtggcat gcacttgtag tcccagccac tcgggaggct gaggcagtag aattgcatgg 540
atccgggagg cggaggttgc aataagccaa gatcgcacca ctgcactcca gcctgggtga 600
cagagtgaga cttcatctca aaaacaaaaa acaaacaaac aaaaaatgtg tagcacagtc 660

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agccctccgt atccacaggt ccacacacag aacctgctgg

700

<210> 149

<211> 700

<212> DNA

<213> Homo sapiens

<400> 149

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caataagcca agatcgcacc actgcactcc agcctgggtg acagagtggag acttcatctc 120
aaaaacaaaa aacaaacaaa caaaaaatgt gtagcacagt cagccctccg tatccacagg 180
tccacacaca gaacctgctg gtatggaggg ccaaccgtgc ttcctattct tttttttttt 240
tctttgagac agagtctcac tctgtcaccc aggctggagt gcagtggcac aatcttggct 300
cactgcaagc tccacctccc aggttcacgc cattctcctg cctcagcctc ctgagtagct 360
gggactacag gcacacgcca ccatgcctgg ctaatttttt gtatttttag tagagaaggg 420
gtttcaccat gttagccacg atggtctcca tctctgacc tcgtgatcca cccgcctcgg 480
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atggtatcaa attcaaaact cttggcttga tagtcaaact ctcaccacga ctgaaatctg 600
gttaaccaac ctgtccaata caatctctct gcactcctcc aaataatgtt caagttggac 660
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<210> 150

<211> 700

<212> DNA

<213> Homo sapiens

<400> 150

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ccttggcttg atagtcaaac tctcaccacg actgaaatct ggttaacca cctgtccaat 120
acaatctctc tgcactcctc caaataatgt tcaagttgga cctaagtgtt ccctagtctt 180
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cagttttgat tccccaaaca gaacaaagga tccttgaggg caactgtctg ttgtcatttc 420
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aagttacaag ttacaatttg gtgaaaatgc cccaagtat ttctctatt tccaaggaa 540
aggaaaagaa agatatagaa attaaattaa agacaaactt aaatcattcc cattctgca 600
tgcttggtct gtgtgggaaa aaaaaatcat ttcatctctg tctgcaacgc agacttgaca 660
agttgagaaa ctccctaaaa acaaagcata caaaaaaaaa 700

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<210> 151

<211> 700

<212> DNA

<213> Homo sapiens

<400> 151

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aaaaaaatca tttcatctct gtctgcaacg cagacttgac aagttgagaa actccctaaa 180
aacaagcat acaaaaaaaaa aatcatacca attagtctca cttaaagggt tcaggaagga 240
aaacacagtt aaactgaaaa cggttaactg gtgtttaaaa aaaagaaacc agcccgga 300
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agccacatga aggattcctg gcagtgcctt ctagccacta cagtgggcca tgggaagccg 540
tacaacagc aaatggcatc ctgcaacccc agcttctcct tctgccgcac tctctctct 600
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cacaagcctc caccctaaatt aattccacat tctttcaaga 700

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<210> 152  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 152  
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 cccatttatg aaactgaaat tattttattc taagcacaaa gctaacaaat gtgatcaaaa 360  
 cagaaaataa acaatcctca ttcaagtgtc cagaatgcag cacaaatagg atcttgggat 420  
 aaataagata gagctgtgaa attaataggg gtgagaagag gggagggtca gcgggagaag 480  
 tccaccaagg ggctgaaagg cctgtgcagg cagacggaaa ccctgggttc ttaggggcca 540  
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<210> 153  
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 <212> DNA  
 <213> Homo sapiens

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 tcccagcttg ccacacactt gttgaactat tctgggtgga tacctcctac ctggatggca 180  
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 ggagtccatt ttcttggttc tctgctggcc atcctcagga cttgcggcgg ggagtggggg 540  
 gccagggtg tgctgccacc tgcaggccaa acaaggaaaa aacataagca acggccacaa 600  
 tcatccgcct gaagccctc ctatatcctc aggcgcgtgg aagacctgga tgcccgtcgt 660  
 gggacaagag ccagaagcac tcaccagtg ccaacacctg 700

<210> 154  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 154  
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 cctatatcct caggccgctg gaagacctgg atgcccgtcg tgggacaaga gccagaagca 180  
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 gcaaaactct acacagggtt gtggttacca gacactgctc taaataaact acacttggtt 360  
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 tcacatatga aaactctatg agagattctc agcatcttgc agacattcat tccctaaata 540  
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 agaaaaggag acaaatgcc a tgcagaagaa aaagcaggga 700

<210> 155  
 <211> 700



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 155

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ggacgagaca ctgttctagg acctgggaag agaggagcga acacacaaga caaagtccct 120
gttctcacga agcttctgtt ccagtgcggg gaggaacag tagaaaagga gacaaatgcc 180
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tggagtactt acataagagg aacatctatt attagtcaaa taatcaccta aataaatgca 420
aagatgttaa tctgtgatag gtgtgatagc agaatgtcat gtagtccttg tgagagcatc 480
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tgtagtcca ttttgcatg ctataaagga atatctgagg ctgggtaatt tataaagaaa 600
agaggtttaa ggcgggggtg agtggctcac acctgtaatc ccagtacttt gggaggctga 660
ggcaggtgga tcatctgagg tcaggagttc gggaccaacc              700

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&lt;210&gt; 156

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 156

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tctaagggga ggcctgaaat ggagtgtggg gaggagcaat gtgttagtcc attttgcatt 60
gctataaagg aatatctgag gctgggtaat ttataaagaa aagaggttta aggcggggtg 120
cagtggctca cacctgtaat cccagtactt tgggaggctg aggcagggtg atcatctgag 180
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gcacaagaag gagcaagaaa ggggaggagg tgccaagcct cctttaaaca accagctctc 600
gcctgaacag agtaagaact cactcattac ctgggggagg gcaccaaacc attcatgagg 660
gatccagccc catgacccaa acacctccca ccaggcccca              700

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&lt;210&gt; 157

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 157

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aatcatgggt aaaggtaaag ggggagctgg catgtcacat ggcacaagaa ggagcaagaa 60
aggggaggag gtgccaaagg tcctttaaac aaccagctct cgcctgaaca gagtaagaac 120
tactcatta cctcggggag ggcaccaaac cattcatgag ggatccagcc ccatgacca 180
aacacctccc accaggcccc acctccaatg ctggcgatca catttcaaca tgagatttgg 240
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aggctggatc atgggtagtt ggcagggaca ggaggcaggg tgaagctgga gaagcagtgt 360
agggtgacct tgcattgacac tcccagccac aagaggagtt cgagccttaa ccctggagaa 420
ctggagcacc acacaagggt cttaggcaga ggattaatgc atttagatgt gtacttttaa 480
aagattatct atgtaggctg agtaatggcc ctgccaagaa tgtctatgtg tgaatccctg 540
gaggttgtgt gtatgttccc ctatatggca taaggagacat tgcaaatgtg atcgagttaa 600
gggtcctgag aaccggagat tatccagggt ggcaccaacat aatcacaagt gtccttataa 660
gagggaggca gggggagatc tgacttcaga tgaggagcct              700

```

&lt;210&gt; 158

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 158

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ttatccaggt gggcccaaca taatcacaag tgctcttata agaggaggc agggggagat 180
ctgacttcag atgaggagcc tcagaatgat gtggcacgag aaagacttgg cttcgaagag 240
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cttctaaaag agtaaatttg tgttgtttta aggcactgat tttgtggtaa tttgttacag 420
cagcaatagg agaataggac atactagctc ctgtaaaaaa ccagactgga cgtaaggggcg 480
aggcgaggca gggaccagct agaggctact gctgtgggcc aggcaagagg tgtgagagct 540
tgcaccacag tgggtggccgt ggggatggag aggagtgggt cagttgaagg accccagcag 600
gggaagagct gaccagtcaa aggtctcgct gcaatctggc agatgttact ggaatgccac 660
aacaggcctc tttcaggctc aggccttggc tggctcacc 700

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&lt;210&gt; 159

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 159

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tagaggcac tgcgtgtggc caggcaagag gtgtgagagc ttgcaccaca gtggtggccg 60
tggggatgga gaggagtggg gcagttgaag gacccagca ggggaagagc tgaccagtca 120
aaggctctgc tgcaatctgg cagatgttac tggaatgcc caacaggcct ctttcaggct 180
caggccctgg ctggctcacc ctggctacag ccagcagct ttacagaagg aggaagctca 240
caccagggt gtagaccact cccaggcaga tgcaccattt actcacttaa cctgccaaac 300
ccattcccac aaaaaagtcc aagagtctcc aggaacaagc cctaagaaaag aacacgtggg 360
gaatttttac taggcaaaag gtagcaatta tttctgcca gcattaagcc ttgcagcgaa 420
cttttttttt ttttccgtga acagagattt tgtaattctg gaagagaggt gtccagattt 480
aaatatacac atctccaaca cagggtgata agaaccatga ttaaatctaa catctaaaaa 540
cttcatggtc agcagaaaat gcagaaatta aagaaagact aaacaagaaa ctaggagact 600
cagcgtctac tctattcttg cttaataatc cagacctact taaaaaatgg gatcctaatt 660
tggctcctgt taatggagct gtcaagaaga aaaagcaata 700

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&lt;210&gt; 160

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 160

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acagggtgata cagaaccatg attaaatcta acatctaaaa acttcatggg cagcagaaaa 60
tgcagaaatt aaagaaagac taaacaagaa actaggagac tcagcgtcta ctctattctt 120
gcttaataat ccagacctac ttaaaaaatg ggatcctaatt ttggctcctgt ttaatggagc 180
tgtcaagaag aaaaagcaat aaaaattatt cgagagaatt ttagaaacat tctccattc 240
tactccaaaa atataaatat gcacactcca aaaccaagta ccttggactg tactgagaga 300
tgacaatgac gtcttaaccg tactatttcc ccatgatgtt gcagcaggcc acagggacct 360
aactgaattg taagaacatg aaaggaccca ggaatgcctg cagatgacaa aataccagg 420
agtcctgtca gtgtaggagc atgttaattt aaaaatagat atatttttct ggtgacaaaa 480
gtgacatgtc tattactgga aaacacaaac aactcctgta gtccaatgat ccagagataa 540
cccatttgga aatattttct tccagtcttt tttccccatt gatttcggca caggcgcgcg 600
cacacacaca cacacacaca cacacacaca cacactcata cttcattttt aacaaaatta 660
caatactgta tatactttta taaccagtgt tatataacag 700

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&lt;210&gt; 161

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 161

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aaaacacaaa caactcctgt agtccaatga tccagagata acccatttgg aaatattttc 60

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```

ttccagtctt ttttccccat tgatttcggc acaggcgcgc gcacacacac acacacacac 120
acacacacac acacactcat acttcatttt taacaaaatt acaatactgt atatactttt 180
ataaccagtt ttatataaca gtatataatc ctccatgtat taaatacagt ttttcataat 240
gctagtattc catcatatga aagtaggaaa atcacttaac caatccctaa ttgctgaaca 300
actgagtagt ttctaacttt atggtaacat aagtcattgg gaggaacctc ctcactacg 360
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ttaacatttc tctttacatc aactcatttc tgcctttaa caaatgtatt ttaaaagcaa 540
acctgactcg gtgtagtggtc tcacacctgt aatcctagca ctttgggaaa acaaggcagg 600
cggattgcct gagctcaaga gttcaagacc agcctgggca acatggcgaa acccctctg 660
tactaaaaat acaaaaaatc agccgggtgt ggtggtgcgt 700

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<210> 162

<211> 700

<212> DNA

<213> Homo sapiens

<400> 162

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caactcattt ctgtccttaa acaaatgtat tttaaaagca aacctgactc ggtgtagtgg 60
ctcacacctg taatcctagc actttgggaa aacaaggcag gcggattgcc tgagctcaag 120
agttcaagac cagcctgggc aacatggcga aacccgtct gtactaaaaa tacaaaaaat 180
cagccgggtg tgggtggtgcg tgccgtagt cccagctact caagaggctg aggacaaga 240
atcgcttgaa cctatgaagc agaagttgca gtgagccaag atcatgccac tgcactctag 300
cctggacaac aggacaagac tctgtctcaa aaaacaaaca aacaaacaaa caaaccttat 360
ttaagtggaa aaccaacatc atatgccata aatgaaggca atcataatag gttttattgg 420
aataaaaaaa cactgtggtt aaaatatagt caaaatactg ctaccccttt gccattctt 480
ttatataaaa tgggagatta gagaggctta gagagggtgt aaaggatatg tagcaccaag 540
ctaaagtttt tcaccttccg ttgatcagaa gactgaaaag gaattgagca tgggaataac 600
tttctcactg tgagtcagtg ttagacaatg tggcaaatgt gtcccaacta gaattaccct 660
gcgccacctg aaataacctc atatgaaaac atgccttagg 700

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<210> 163

<211> 700

<212> DNA

<213> Homo sapiens

<400> 163

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agagaggctt agagagggtg taaaggatat ctagcaccaa gctaaagttt ttcaccttcc 60
gttgatcaga agactgaaaa ggaattgagc atgggaataa ctttctcact gtgagtcagt 120
gttagacaat gtggcaaatg tgtcccaact agaattaccc tgcgccacct gaaataacct 180
catatgaaaa catgccttag gacatattcc tggaagtaga actgggataa aaggcatgga 240
cactttaagc agcttctgat aaccacagcc caaacaccat ccaagttagt tttaccacag 300
ttttactatg actgtgtcca ttttacttca cgttcacaaa tattaagtac tataaacaaa 360
atattaaaaat agttaaaacg tttcagcttt ttgatgtaaa atatccagca gctgaatctt 420
caaaggctat tttcatgctc ttctagctag tccctgaccc tagggcaggg ctattttatg 480
aacctttaat tagtggttaag cttacaacaa actgatactg cacttggttt caccaagctg 540
aagtaaaactc tgtaaaagat gaggaagtga ctttagcatt tgcaaatatt tcagaatgcc 600
tttgtgccag caaagggtcaa acaacgatca gaattgcatg gattccaaag tatacttttg 660
ggaaataaga gactcagaga agcattactc aagatacaat 700

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<210> 164

<211> 700

<212> DNA

<213> Homo sapiens

<400> 164

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gcttacaaca aactgatact gcacttggtt tcaccaagct gaagtaaact ctgtaaaaga 60
tgaggaagtg actttagcat ttgcaaatat ttcagaatgc ctttgtgcc gcaaagggtca 120
aacaacgatc agaattgcat ggattccaaa gtatactttt gggaaataag agactcagag 180

```

```

aagcattact caagatacaa ttcactatga attttcagca attcaatgaa aagtctaaaa 240
gaaatacatg tttaaacttt cctatcctgg tataatatgc aattgcacaa atagggttaga 300
ttgtagatta atgcaattgt taatatctct aacatagaaa aaggaaattg tattttgaa 360
caagaagaat taataacaat tgggaattgtt cagggttattt taataattcc caggcagata 420
cctatgtgta tatgtgcctg tggggaaaaag gtaaggaaaa agagacgtga gaaaacatac 480
ttatgtaatt ccagcacttt gggagggtga ggcgggtgga tcactagggtc aagagattga 540
gaccatcctg gccaacatgg tgaaaccccg tctctgctaa aaatacaaaa attagctggg 600
catggtggga cctgtagtcc cagctactcg ggaggctgag acagggtgaag tgcttgagcc 660
cgggagggtg aggttgcaga gagctgagat tgtaccactg 700

```

&lt;210&gt; 165

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 165

```

tgggagggtg aggcgggtgg atcactaggt caagagattg agaccatcct ggccaacatg 60
gtgaaacccc gtctctgcta aaaatacaaaa aattagctgg gcatggtggg acctgtagtc 120
ccagctactc gggagggtga gacagggtgaa gtgcttgagc ccgggagggtg gaggttgcag 180
agagctgaga ttgtaccact gcactccagc ctgggtgaca gagcgagact ccatctcaaa 240
aacaaaaaca aaaacaaaaa ataaaaaaaa agatttatta tgtttggaag gaggttatag 300
gttctgatta atttttgcca gagacaaaaa tacaagttta tctaagctta agaactaaat 360
gatggcctat tgtaagatat agaacttcca actcactgaa taaaaagaag gaaagaagaa 420
acaggggaca aatacacttt gatgaatcca tagagtcaca aggaaaaaaa aaacacacat 480
gataaataca tggcaaaaca agatggcaaa aataagacca catttatcag tgatcaaaat 540
aaatatgaat gaattaaatt ccattgttaa aagaccaaga ctttcaccct aaatgccccat 600
aaatggaaaa tggataaatt atggtatgta ttccatttta atggatgtgt atgtgtgtgt 660
atgtatgtgt atgtgtgtgt atacaccaca gaaagaggcc 700

```

&lt;210&gt; 166

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 166

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aagatggcaa aaataagacc acatttatca gtgatcaaaa taaatatgaa tgaattaaat 60
tccattgtta aaagaccaag actttcaccc taaatgcca taaatggaaa atggataaat 120
tatggtatgt attccatttt aatggatgtg tatgtgtgtg tatgtatgtg tatgtgtgtg 180
tatacaccac agaaagaggc ccatgagttt cagtttagaa agatgtagaa atatatattgt 240
ataagcatag gaaagggtcc agaaaaacac accaatatga tatctgtggg tgcctataaa 300
gagcagttta cctatgagtt tcagtttaga aagtgtaga aaaatatttg tataagcata 360
ggaaagggtc cagaaaaaca caccaatatg atatctgtgg ttgcctatgg aggctgaagt 420
ggactttcct gtctcacttt acaaatgtct atactgtttg aatttattac aaaagcatat 480
gactaaagaa acatgaaaaa atggaataat aaacataagg gcagaatcag caaaatagag 540
gacatagagg accaaaaaaa aggtggttaa caaaacttga agtatttatt tgaaagtaga 600
caaacctcta gtgagactga tcaagaataa ctgacagaag atttttttaa aatgagatta 660
cagaaaaagg aagaaatgac aaataaaaca gacattttta 700

```

&lt;210&gt; 167

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 167

```

aatggaataa taaacataag ggcagaatca gcaaaataga ggacatagag gaccaaaaaa 60
aagggtggtta acaaaacttg aagtatttat ttgaaagtag acaaacctct agtgagactg 120
atcaagaata actgacagaa gatttttttaa aaatgagatt acagaaaaag gaagaaatga 180
caaataaaac agacatttta aaacttataa aggaataata taaacacatg ataatacatt 240
tgaaaataca gatgaaatga ataatttcta gacaataaaa attgccaat ttggcacaaa 300

```

```

aatgtgaata accacttaag agactcaaat aatthttgaaa cctcttcccc atagagtttc 360
agaccagaa gattttacaa gtgcctccta ctaacttcca aggagcagaa aatctctatc 420
ttaatggagt tgcttttagaa aatagaaaaa aagagaaaaac attgccaat ttgttacttg 480
atthttgaaat gttaaatatg gactgtacaa ataaagaaaa atacaggata gtttacttta 540
taaacataga tgttaaactc ctaaataaaa tattatctaa tcaaatacga aagtgtatta 600
caaatacatc atgataaagt aattcaccac attagtcgat tgtggaagag gttactagt 660
ctcaccagtc tctcgttctt ttctctctgg gaacaccacc 700

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<210> 168

<211> 700

<212> DNA

<213> Homo sapiens

<400> 168

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ggactgtaca aataaagaaa aatacaggat agtttcactt ataaacatag atgttaaact 60
cctaaataaaa atattatcta atcaaatacg aaagtgtatt acaaatacat catgataaag 120
taattcacca cattagtcga ttgtggaaga ggttactagt gctcaccagt ctctcgttct 180
tttctctctg ggaacaccac caggctacat ttcccagcca ccttacaatt aggtgagacc 240
catgagacta gtccatgcca atggaatgtg aatggaagtg catctaattt tctggctcat 300
gaaaacagca gcattttctc tttttcttct ttttcttctt ttgttttttt tagacggagt 360
ttagctcttg ttgccgagggc tggagtgcag tggcgcgatc ttggctcact gcaacctccg 420
cctcccgggt tcaagcaatt ctctacctc agcctcccaa gtagctggga ttacaggcat 480
gtgccacaat gcctggctaa ttttgtatth ttagtagaga'cggggttct ccatgtttgt 540
caggctggtc tcaaactccc gacctcaggt aatcagcccg cctcggcctc ctgaagtgt 600
gggattacag gcgtgagcca ccgtgcccg caagagcagc atthttctaaa agcaatcagt 660
actcaacacc atctgtctga ggtagggcag cggcggactc 700

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<210> 169

<211> 700

<212> DNA

<213> Homo sapiens

<400> 169

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atthttgtatt ttttagtagag acgggggtttc tccatgtttg tcaggctgggt ctcaaactcc 60
cgacctcagg taatcagccc gcctcggcct cctgaagtgc tgggattaca ggctgagcc 120
accgtgcccg gcaagagcag cattttctaa aagcaatcag tactcaacac catctgtctg 180
aggtagggca gcggcggact ccatgttttg aaacttagga acttagacca tcttttgta 240
aattcagatg gttttctcaa agtaaagatc attcaagttt tgtttcagta atgggccgta 300
tgatcagatc tgtgtgatta ggctgaattc attattattg agacaaaaat tgagttaaag 360
gggattcttg gtattggcct gcaaaacctg tcataactta aatgtaaagt ttctgatgat 420
ttagtcactt tactctcagc tcttagctct ttactcacc tgtccttggt ctacacaacc 480
tgctgatgg gtaacttgaa tacatattht ctctcttcag gggatgggaa cgccctaagg 540
gcaggggctg tttccacagc cctgggggtg aaccccttc ctgcatacca agaattgagt 600
ggctatactt gacgaagggc aaagacaagg tggcacgcat ctttcatgct tctgttgga 660
gatgcagtgg actggaattt tcctggtctg ggaaggactc 700

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<210> 170

<211> 700

<212> DNA

<213> Homo sapiens

<400> 170

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atacatatth tctctcttca ggggatggga acgccctaag ggcaggggct gtttccacag 60
ccctgggggtg gaacccctt cctgcatacc aagaatgagt tggctatact tgacgaagg 120
caaagacaag gtggcacgca tctttcatgc ttctgtctgg agatgcagt gactggaaat 180
ttctgtgtct gggaaggact cggtctgtga gtgcacctat cctgacatc tatgctagcc 240
ccgggatggg ggccccagca gagtaaggcc ctgacttcac atggacaggg ccagggaag 300
ggggccacat cctggcctag ttgtctctca tgcccgat caagggagat gagctgccag 360
ctgtctcggt caaggaacac ttggaaggca ctccaagtgc cccaggtgc accagatcta 420

```

ggaaacttaa	gcaaactaca	tgaggtatgg	ggtggggccc	agtgggaaaa	atgagtctga	480
caggtcagag	ggagtagatt	atgagctcag	gttaggcatt	ctgttcagca	ttttacgtac	540
accctccac	ttttgatttt	taccaacacc	cagggaggtc	ggtgctctac	aaaagggaaa	600
ggcgtgctca	ggtggcccga	cttgccacgg	ttccagctcg	accccgggct	gctagcccct	660
tggcacgctt	gtctgaggcc	tcccaggtct	tccagcctgg			700

<210> 171  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 171						
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ttaccaacac	ccaggagggt	cgggtgctcta	caaaaggga	aggcgtgctc	aggtggcccc	120
acttgccacg	gttccagctc	gaccccgggc	tgctagcccc	ttggcacgct	tgtctgaggc	180
ctcccaggtc	ttccagcctg	gcctggaggc	tcaaagccac	gaaacccaag	ggtgccgctt	240
ctcaggccct	ccccgcccc	acggcagaac	ccctgaccct	gcccgggtca	aacgcctggc	300
gtcggggccc	ccgggtccgc	aaggaggagc	ccgcgaggcg	gccgcgaagg	ggctgtgctt	360
acctcgcccc	gcgcgggttg	cggccccagg	gcccgcgctc	caggctggcg	gccgctgcat	420
tctgcgcccc	tcgcctgaaa	cggcagctgc	gccagtcctg	gccacgaccg	ctttcatttt	480
cctcaacgac	atcggcagga	aagcgaagc	gaaacctcc	gggaggcggg	accggggccg	540
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cgggctcggg	tctgcgcgtg	gcctggcccc	gtggcgcttcg	gggtggagct	gggccagccg	660
agtgcgccag	agctagtcgc	ccacgcacac	ctgcctcggc			700

<210> 172  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 172						
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gcgcgcggcg	ggcgcggggc	ggcagccaga	ggcggggggc	ccgggctcgg	gtctgcgcgt	120
ggcctggccc	ggtggcgctt	gggggtggagc	tgggccagcc	gagtggccga	gagctagtcc	180
gccacgcaca	cctgcctcgg	cgggaccggg	gcccgggctg	ggcgggaggc	tgggcaggcc	240
cgccgtaagt	ggaaaggcgc	ccgcggcgct	tcggccgacc	gggacagggt	cctccatctg	300
cccttcattc	agcgctttact	tgggcctgtg	gctggcagcc	ggcccgggac	ctgaccgctg	360
gggcgcctc	gggctctggc	ctgaggaggc	agatggcagc	ctgagcaact	gggaccaagc	420
ctctgaggag	tccccgttgg	aggggacttg	accatgaggt	accaggcatc	tcatctgggg	480
tcagcggaga	acccaaaagt	caatgacgtc	ggtgaaatgg	gggtcccttc	atccgataag	540
agaaactgga	acagcaagcc	tatggtttgg	actccctggt	ctaagcggtg	cccatcaata	600
tctaaacatt	tagagattcc	aggtttcagt	gtctggccgt	ctcttactgt	cagtgatttg	660
gggcaaaata	ttcaagtagt	tagacttaat	tacttcccct			700

<210> 173  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 173						
tcaatgacgt	cggtgaaatg	ggggtccttt	catccgataa	gagaaactgg	aacagcaagc	60
ctatggtttg	gactcccttg	tctaagcggg	gcccataaat	atctaaacat	ttagagattc	120
caggttttcag	tgtctggccg	tctcttactg	tcagtgattt	ggggcaaaat	attcaagtag	180
ttagacttaa	ttacttcccc	tgtgggatgg	gaataataat	aatcatacct	actgccagaa	240
tttttaggaat	gaacaataga	aggaagaaaa	tacttaaaat	tttctgacag	cctctaagtg	300
ggttccttga	gggcagcaac	caagtcattt	acctggatgc	ttgatagaca	ttctctaattg	360
gccagtccat	caacttggag	ctatctccat	gataacagg	tagttgtcaa	agtttggaca	420
atattatctg	gagttttaa	actgaggaag	ccctgcaatt	ttttttggaa	ggtgtctgaa	480
acttagcctg	acaattagcc	cccacaatta	tgccacggaa	ccagggtttt	gttagagtgg	540

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agcatggcca caacgtttga tggacattcc tacagcgggtg ttcagcgctg gccactgagg 600
tctgaaaata ctttttgcaag cattttctatt cacttgcttt tagaaaaacat tggtaagaca 660
ccatactcca aacacagttt gccctgtctg tacgtttgtt 700

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<210> 174
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 174
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atggacattc ctacagcggg gttagcggct ggccactgag gtctgaaaat acttttgcaa 120
gcattttctat tcaattgctt ttagaaaaaca ttggtaagac accatactcc aaacacagtt 180
tgccctgtct gtacgtttgt tgcaaaagcaa acataaaagt ttttgccata gagcaaacac 240
agagcagtct gttataactg gaacaagaaa ccaaaatgag ctattaaatc tgcccagagt 300
cactttgggt tacctgtttg taatttgggc acattccctg caagatggag gccctgggtc 360
gtgactgatg taggggcttg tatgtgtcct tgcaatagtt ccctcaagag cagggtgggaa 420
agtggggcag gccaaatgat gacctagaa aaacaacagc ctgtttctct gtccagaaga 480
tgctactttt agtctgtagt atgaaggaaa aagaaaaaac aaaaaaggca agccttggag 540
cctcttcctc cttataggac aattcttgac tccaagatag caaagtagag ttaaactctgc 600
ttctgcataa aaactatgtt tgggaagatg aagatcagga aaagacagga agagatgtaa 660
gcagataagc caaatcctgg ttaccttta tagacatcac 700

```

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<210> 175
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 175
tatgaaggaa aaagaaaaaa caaaaaaggc aagccttgga gcctcttcct ctttatagga 60
caattcttga ctccaagata gcaaagtaga gttaaactct cttctgcata aaaactatgt 120
ttgggaagat gaagatcagg aaaagacagg aagagatgta agcagataag ccaaactcctg 180
gttacctttt atagacatca cacatgtgaa cagagagcat caggagggtca aggccggcct 240
gatgtttttc atcttggaac cttcccaagg tccaggtttg gtccttgact ttgtggggcc 300
aaaaatctcg tctgacttcc agtgtaccag agtcgattag cactgttgca taaagtcaga 360
atgacaactg actgatttca ttcactattt gctagagaag tgctatgcta aatgcattac 420
atgcattatt acctcattat ttctccctac tatcatgtgg tatattataa tctatttatt 480
tttcatttgg gagaaaaaaa gatgaaggaa atcccaaggc cacatggtta ctatgtatgt 540
tagtggcagg gtttgaatca aggccatctg accccaaaac ctgaagctta tccattcctg 600
ttagaagcaa gactgtcggg aacactggac tcgaggccac ctgatgaaca cattctcttc 660
ttgtagccat gcagtttgga gccccatagt cagaagggtg 700

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<210> 176
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 176
agatgaagga aatcccaagg tcacatgggt actatgtatg ttagtggcag ggtttgaatc 60
aaggccatct gaccccaaaa cctgaagctt atccattcct gttagaagca agactgtcgg 120
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<211> 700

<212> DNA

<213> Homo sapiens

<400> 177

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<211> 700

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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 <213> Homo sapiens

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 <213> Homo sapiens

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<212> DNA  
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&lt;400&gt; 186

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&lt;210&gt; 187

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 187

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&lt;210&gt; 188

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 188

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&lt;210&gt; 189

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 189

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&lt;210&gt; 190

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 190

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&lt;210&gt; 191

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 191

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&lt;210&gt; 192

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 192

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<400> 194
tattgaatag tggccccac tctcttctgg cttatagggt ttctgcagag agatccactg 60
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tttttctctt catttcaacc ttggtgaatc tgacaattat gtgtcttggg gttgctcttc 180
ttgaagagta tctttatggt gttctctgta tttcctgaac ttgaatgttg gcctgccttg 240
ctaggttggg gaagttctcc tggtaatat cttgaagagt gttttccaac ttggttccat 300
tctccctgtc actttcaggt acaccaatca aacctaggct tggcttttcc acatagtccc 360
atatttcttg gaggtcttgt tegtctctt tcatctttt ttctctaate ttgtcttcac 420
gctttatttc tgatatecct tctcccgtca gattgattca gctatggata cttgtgtatg 480
cttcacaaag ttcttggtg tgtttttcag ctctatcagg tcgtttatgt tcttctctaa 540
actggttatt ctagttagta attcctctaa ctttttttca aggttcttag ctcccttgca 600
ctgggttaga acatgctcct ttagctcagg gggtttggtt ttacccacct tctgaaggct 660
gtcatttcgt caaactcatt ctccgtctag ttttgttccc 700

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<210> 195  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 195
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aattcctcta accttttttc aaggttctta gcttcttgc actgggttag aacatgctcc 120
tttagctcag ggggtttggt attacccacc ttctgaaggc tgtcatttcg tcaaactcat 180
tctccgtcta gttttgttcc cttgttggcg aggagttgtg gtcccttggg ggagaagagg 240
cgttctgggt ttggaattt tcagcctttt tgcactgggt tttcctcctc ttagtgcatt 300

```

```

tatctatctt tgggtctttga tgttggtgac ctccggatgg gggtttttgtg tggacgtccg 360
ttttcttgat gttgatgttg atgctgttcc tgtttgctag ttttccttct aatagtcaga 420
cccctctgct gcaggactgc tagagtttgc tggagatcca ctccagaccc tgtttgcctg 480
ggtatcacca gcagaggctg cagaacagca aaaatttctg cctgttccta cctctggaag 540
cttcgtccca gaggggcacc ccccagatgc cagccagagc tctcctgtat gaggtgtctg 600
tcgacccctg ttggggaggtg tctcccagtt cggaggctcg ggggtcaggg acccacttga 660
ggaggcagtc tgtcccttag cagagctcaa gtgctgtgct 700

```

```

<210> 196
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 196
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ccccagatg ccagccagag ctctcctgta tgaggtgtct gtcgaccctt gttgggaggt 120
gtctcccagt tcggaggctc ggggggtcagg gacccacttg aggaggcagt ctgtccctta 180
gcagagctca agtgctgtgc tgggagatcc gctgctctct tcagcgccgg caggcacaac 240
atttaagtct gctgaagctg caccactgc tgccttctcc ccagggtgct ctgtcccaag 300
gagatgggaa ttttatctat aagcccctga ctaggggctgc tgcccttctt tcagagatgc 360
cctgcgcaga gaggaggaat ctagagaggc agtctggcta cagcggcttt gccagactgc 420
agtccctggg ggctttgttt acactgtgag gggaaaactg cctactcaag cctcagtaat 480
ggtggacgcc cctccacca ccaagctcaa gagtcccagg ttgacttcag acagctgtgc 540
tggcagcaag aatttcaggc cagtggatct tagcttgctg ggctccatgg ggggtgggatc 600
cgctgagcaa gaccacctgg ctccctggct tcagccccct ttccggggga gtgaatgggt 660
ctgtctcact ggtgttccag gcatcactgg ggtatgaaaa 700

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<210> 197
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 197
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ccagtggatc ttagcttgct gggctccatg ggggtgggat ccgctgagca agaccacctg 120
gctccctggc ttcagccccc tttccggggg agtgaatggt tctgtctcac tgggtgttcca 180
ggcatcactg gggtatgaaa aaaaactcct gcagctagct tgggtgtctac ccgaatggcc 240
gccctgtttt gtgcttgaaa ccagggtctt ggagatgtag gcaccaagg gaatctcctg 300
gtctgcgggt tgcgaagact gtggcaaaag catagtatct gggccagagt gcaactgttc 360
tcatggcaca gtccctcatg gcttcccttg gctaggggag ggagttccct gtcccttgc 420
acttccctgg tgaggcgatg ccccacctg ctttggttg ccctccgtgg gctgcacca 480
ctgtctaaact agtcccaacg agatgagccg ggtacctcag ttggatatgc agaaatcacc 540
caccttctgc gttgatctcg ctaggagctc cagaccagag ctgttccctg ggctttaacg 600
tttttagtgc tcatttgttt ggcatggggg ggggggcaat tctatgagga catttagaat 660
tttcagaact attttgctca taatcagggg ttgcatgagc 700

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<210> 198
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 198
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gctaggagct ccagaccaga gctgttctct gggctttaac gtttttagtg ctcatgtgtt 120
tggcatgggg tggggggcaa ttctatgagg acatttagaa ttttcagaac tattttgctc 180
ataatcaggg gttgcatgag cattaagttt caaatctctt cagtagacga accatgcaaa 240
ataccaatat cactgtgtat tagtatattg cagtcttatc cttgatgtgg agtgtatcct 300
cacacttctt ctatgagaag tcttttgtga gacttattcc caggtaaaga gccagtcagg 360
ggcctggctg ctgccctctg gctggcgcaa cagacagatg atgtcccagt gtctctggcg 420

```

```

gcttcttaca gaactctgtc cctgagggtta tgtcccttct tcatgagggtg acaccttcag 480
gggtgggtct gcctgagagc tccaaaacat gatttctgct gagaaacctg tgtctgtcat 540
cagtgcattc tctgttaatc tcatgagatt ttattttcca aagtgccttt aaagcaatgg 600
catagaacat aaggtgttgc cagtgcattg catcaagcct ctatcagcct aaaagccctt 660
taggaaaaga attaaaagac aaacccccag aagaaagttc 700

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<210> 199
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 199
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ctcatgagat tttattttcc aaagtgcctt taaagcaatg gcatagaaca taagggtgtg 120
ccagtgcatt gcatcaagcc tctatcagcc taaaagccct ttaggaaaag aattaaaaga 180
caaacccccca gaagaaagtt ctattgtgct atttactacc tggcagggaa tagggtcttg 240
tgccacacctc attgaccgtc acttagacca ggtattaagc agaataattc tctttgacaa 300
acaacagcctc tatggaatcc atgagaatgt tcaggggaacc ctgacagaga taagaattag 360
tttccaagaa taggaaaaga tggatatggc aatcttttgc tttactttga tctgtggcag 420
gaaactgggt ttttaagaaa tctgggttgt tccctccacct ccttttcttt gtcttttata 480
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gtctgataac acactcagtc ttcccaaagt catggctcta agggaaacaa gccacacacg 660
aatccaacag gcttcgacag aggacttgga attccacatg 700

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<210> 200
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 200
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cttcccaaag tcatggctct aagggaaaca agccacacac gaatccaaca ggcttcgaca 180
gaggacttgg aattccacat gcttggtcca accctggaag tgacttgggc tcttgccctca 240
ccacatgaag agctctaagc attcaggtta ttatggtttt tgccctcaga aggccacaaa 300
tgactggaaat cagtggcatg gagaataaga gagaaaatgc agaaactatt cactcctgct 360
acaggacaat gggtagacag aactgcaatt cagattctag agccctggg aagacagtta 420
atcagtagtc cagcacagaa ccatgtttga ggagagtggg gaagccaaca gtgttccaga 480
agacgtgctg ccttccctct cccccaagtt tgatgctgct tgttttggtt tgcaacatgc 540
ccttgagttt ctatccaaca ctggagcttt ttaccaggt ccatccacac cttctagccc 600
aaaatgccct gtgcaaatg tatatagatt aagacacctc ttgtgcacca cactcaacct 660
ccaatcctct cagccacca cttactccag ccactgttgc 700

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<210> 201
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 201
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gtatatagat taagacacct cttgtgcacc acactcaacc ccaatcctc tcagcccacc 180
acttactcca gccactgttg cagtgaccag ttctgatggg ctctggcaac ccctacttca 240
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gcatgtgcag cctggaaaca tgtggagctg acacctgtgg gctgccttta caaatggatg 360
ccaacagaga aatgcttccc ccttttactc aaggtacaga tgggtgttag atgcatttca 420
taagcttctt ctgaagtcct tgctggatgg agcatccctg cctttggtgc tagtcaacct 480
gaaaatgcat ctttgtattc agcctccctc ctccctgtt ctctcctgt cttttattgc 540

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```

tgctccctgg aatcttgtcc ccaaagcata aactgcttaa ctgcacagaa gcacttgtct 600
cagtctctac tttcaagga acccaagata catttgtgca agaaggctgg ctgagcccat 660
agtcaattaa taaagtgaag aattctagt cacaagaatc 700

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<210> 202
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 202
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cccaaagcat aaactgctta actgcacaga agcacttgtc tcagtctcta ctttcaaggg 120
aaccaagat acatttgtgc aagaaggctg gctcagccca tagtcaatta ataaagtga 180
gaattctagt gcacaagaat caaatcttag tcttagagat taatcccaac cattgctaga 240
attagcccaa gctgatacag agaaaaggca gatgacagtg tggcacaggc tcactaaatt 300
ctagaaataa agattctagg cagttgctga tatttaaaaa atcattttac ttattaaaac 360
tttctcattt cccaaggcac ttcagtagct ttcacaaaaa catgtttgtt cttttttaac 420
caggtgaggg atatgcttta ggagtacat ggtaacataa tcagcaaaga gaagacaatt 480
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aggaacacac acaatgacac tgtttttggc acttagagaa gtgctagagg ctagggtggtg 660
taaggccttg caccagtggc agctgcagac aattgccaga 700

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<210> 203
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 203
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tttctttttt gtaatatcct cccatgacta agtatcaaga aaggaacaca cacaatgaca 120
ctgttttttg cacttagaga agtgctagag gctagggctg gtaaggcctt gcaccagtgg 180
cagctgcaga caattgccag agtgattctg tgtttaaaaa aaaaaaaaaa aagacacaaa 240
ccaggagggt aaggaaccag ccttcccaa gtgcattctg aagggcaaat aacaaggaga 300
aaaggatata acaacaacaa aataaacagt aaacaaaaac ccacattaca gctttgagag 360
aaaagacaac gttgctcatc tctctcacct gataaatttc ctttaaacca tacataagac 420
gctatagtag caaggagggt tccacagcag tggaaaacaa gaatagtaga ttcaatggag 480
catttattat gagcctggac aagcccagtg ctttgatcag atgtaaacaa gtctactcag 540
tcgtcatgct gagtggctct aagagctcac acatcagtgc actttgctgg tgatctgcat 600
ctgctcatte tgctccatct tcattacctt tcactttccc tagctctgag ctctcctgcc 660
ctggggaagc aatgatccag ttaatgtcct ctgtaactga 700

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<210> 204
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 204
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taagagctca cacatcagt cactttgctg gtgatctgca tctgctcatt ctgctccatc 120
ttcattacct ttcactttcc ctgctctgca gctctcctgc cctggggaag caatgatcca 180
gttaatgtcc tctgtaactg agaaaaggta agaatacaac tccttgtgca attacttctc 240
tttctcttaa agttcaccac tagaggggag tgggggaaag ggtgggggac ttagacctct 300
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gcaagtcaga cacaggtcaa gaggacaaac agcaaaggcc tttgtcactg aaggactcgg 600
agtctgcaca agctggccat ttctggcaag acagtctttc ctcttcagtt tctcccttac 660

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tggaagcgat gttagaaggc tgtgctttta aggattgtgg

700

<210> 205

<211> 700

<212> DNA

<213> Homo sapiens

<400> 205

agggccatat	gtagcctctg	agtgtgggtg	cccatccagg	agcaagtcag	acacagggtca	60
agaggacaaa	cagcaaaggc	ctttgtcact	gaaggactcg	gagtctgcac	aagctggcca	120
tttctggcaa	gacagtcttt	cctcttcagt	ttctccctta	ctggaagcga	tgttagaagg	180
ctgtgctttt	aaggattgtg	ggcctttctt	gaccatcttt	taacatcctt	gtgtgacttg	240
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aaagatgcct	cccagtctcc	aaacaaacaa	gaactgagga	tatcttcctt	gggaagagaa	360
tcctgcagca	gattctgaaa	ggtttcttct	agcctctgag	ttatccagtg	cggctactgc	420
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gtgcatcaac	actgacagag	gaggtcttct	taccctttga	ctcttagcat	ctggtcaatg	660
gtgtctggga	gtggggtacc	gaagctctct	gggagaaaca			700

<210> 206

<211> 700

<212> DNA

<213> Homo sapiens

<400> 206

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ggaggtcttc	ttaccctttg	actcttagca	tctggtcaat	ggtgtctggg	agtggggtac	180
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aacctgaggt	acttgtccag	ggatggaaat	aactcttcca	cctctgcaga	tgtgtcccag	660
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<210> 207

<211> 700

<212> DNA

<213> Homo sapiens

<400> 207

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catgctgatt	attcttattt	accaagggtg	ggtttccaag	gaacctgagg	tacttgtcca	120
gggatggaaa	taactcttcc	acctctgcag	atgtgtccca	gcccattgtg	tctgccttca	180
gattaggcag	ggtgcttttg	cttgcttttg	gatctacata	gcattgtcac	aaagcactct	240
gagtactctc	aggtgggtgc	caccctccct	aaagaggtag	tggctagggg	tgtgcaggga	300
aaccacaggt	gctatgaaga	cataattctg	agaagagaaa	actggagacc	tgctacataa	360
aatggcatgg	ggtggatctt	cacacaagat	aaaatcactc	tatagtgtct	taggttataa	420
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tctgattcca	agaaatttct	ccaactaagc	acactggctc	cctaaaccac	tctgtaggtt	540
cttaggataa	aggaattgta	gtctctgatg	gaaggcctgg	gatggctaaa	acagaaacaa	600
accctcta	attctcatca	atttctaggt	aatctatagg	ttgttttcca	tttgaaagtg	660
agggccagtg	cactgggaca	agaacccttc	ccggccaaag			700

&lt;210&gt; 208

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 208

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agtctctgat ggaaggcctg ggatggctaa aacagaaaca aacctctaa tattctcatc 120
aatctctagg taatctatag gttgttttcc atttgaaagt gagggccagt gcaactggac 180
aagaaccctt cccggccaaa gatccagtac tggatggagc ccatgtactg tatgaacttg 240
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ccaaatTTTT tggggagtcg gtttctatca ctccctattg tgggggaagg ggctatagcc 660
aagatttccc tccaaattga ttgctgaaag gaggtcggga 700

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&lt;210&gt; 209

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 209

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tggcatgcag ctattgagag caaaacaaac atactttctt cccaaatTTT ttggggagtc 120
agtttctatc acttcttatt gtgggggaag gggtatagc caagatttcc ctccaaattg 180
attgctgaaa ggaggctggg acctgcagct ataaggacat gcactttcct caacctggag 240
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aagacatgtc tgtcagggat taactgtcac ccagaaacct cacactgcag gcactatgga 360
attaactcat gatgtttaga tgaatggaga attcagttct aactcatttc atgctttcct 420
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tctgtgctgt gctgatggga gagctatgtg tgacctgaag gtcactctga gctcagctgt 540
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agtgttctca gcctgatggg cccaaaagtg accatcagag gctcccaaat ctacaggtac 660
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&lt;210&gt; 210

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 210

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agagctatgt gtgacctgaa ggtcactctg agctcagctg tgagcctcta catcagttct 60
gggtcctccc tgccacatcc catggggagc tgttcccgtg cagtgttctc agcctgatgg 120
gccccaaagt gaccatcaga ggctcccaa tctacaggta cactgaagtc tctgggcaca 180
gtgatggaga gggagagatg agggcccatg aactgttcta taaattattg gaaatggcta 240
cctcccaccc atctgtggga tactaagata gtttcagaaa taaaatcctg ctaagggtct 300
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taacacagtc tgaactatat taagcatttt atttacttgt ttgttgtctg tcttctcatc 600
taggggtgtac gttccatgag ggcttggggg tctgcctggc ttgttttctt gtgtatcggt 660
atcaccgagc acagtgccca gcccatggta ggcattgcat 700

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&lt;210&gt; 211

&lt;211&gt; 700

<212> DNA  
 <213> Homo sapiens

<400> 211  
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 ttaagcattt tattttacttg tttgttgtct gtcttctcat ctagggtgta cgttccatga 120  
 gggcctgggg ttctgcctgg cttgttttct tgtgtatcgt tatcaccgag cacagtggcc 180  
 agcccatggg aggcattgcca tagctatttg ttgaataaat aaagaagaca gggccaggaa 240  
 aaaaaggaat gggatagcta tttcttccct cttcttctgc agtggaaaac agtatgagca 300  
 cattaacttg ggtacagagt aaaattaacc aacagcccca atggctgctt tttcccactc 360  
 cctcaaagcc caggccataa gtgttctagt ctcagaagac actttctatt gatttttagg 420  
 ccaagaatgt atataagcaa gggagctgtg atgggcttga ttttattctc tttattaatt 480  
 gagacagcct ggtagacagt aagagactca gtgaagacc caaacatag atgcacatgg 540  
 tccctacctg ggggtaccag ctgcatgaag agaaggacac tgccaccag gaagagggca 600  
 gtggccatgg aatagcgccg gggcaaatat tgcagcagca gccaggccaa cacatatgct 660  
 gggacttcaa ccatcgctga aaggaagcag ttcacaaaga 700

<210> 212  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 212  
 taagagactc agtgaagacc ccaaaccata gatgcacatg gtccctacct gggggtacca 60  
 gctgcatgaa gagaaggaca ctgccacca ggaagagggc agtggccatg gaatagcgcc 120  
 ggggcaaata ttgcagcagc agccaggcca acacatatgc tgggacttca accatcgctg 180  
 aaaggaagca gttcaciaag atgtcccat gcaagttagg agtatcaagc gaaagcccaa 240  
 aatagccac tgatatgggc atcctgaaac agagtgcaga agaaagctgg aaaagcagta 300  
 tccacatctt tcccacctg tacaactttt acaatgcaat tatttcagta aattccaaac 360  
 catctttaag cagagactag taaggcagca gtaactgtaa ccctgcgtct tacttcatag 420  
 atcaaaagat aattttcccc agcccaagtg gtacagtgtg aaccctgcgc cagtgcgctc 480  
 tcagagcctt ccatatagac agtgctccag caaaaaagct tgtataattc agatagattt 540  
 acttcattga aaagaaaaat tccaacctgc ctttcagctt taaaaatcct aagctgaacc 600  
 tcctcaaate cagcaactgc agaaggagct agagaatgag tcaggaggca gacatcaagt 660  
 gaggtgtgat aggatttggg ggataagata acaaaaaggaa 700

<210> 213  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 213  
 cagtgtccca gcaaaaaagc ttgtataatt cagatagatt tacttcattg aaaagaaaaa 60  
 ttccaacctg cttttcagct ttaaaaatcc taagctgaac ctctcaaat ccagcaactg 120  
 cagaaggagc tagagaatga gtcaggaggc agacatcaag tgagggtgta taggatttgg 180  
 gggataagat aacaaaagga acaacattag gtcaaact tggagagaga cctcacaca 240  
 ctacctgtgg tgaccagtca ggaagaggct ggtcagagac agctgacacc agccccgagg 300  
 tacttggtga gcagagaggt ggctcccaat ggaggggcca cactgcctct catcaggatg 360  
 ccctgcagta ccctgacct gggcatcccc agtaggcatt ctctctgttg atgaccaca 420  
 ctctttgaca aaccagacct ttatggatta gactgttttg actcatctgc aggtggaaca 480  
 cacagctggg acaataaaaa gagtatgtgc atgagtcacc aggaaatcca gagcaggagg 540  
 gagagcctgg gtgaacacaa aagtgggtga ctcatcacag gcttgcattg ctgtggtgca 600  
 ggctacatgc tgctcctgtc ttgaggccaa ctacgggaat ggtgaactgc ctggagggat 660  
 cctgggcat tccttgaag cgggtgactc atagactcc 700

<210> 214  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 214

```

agagtatgtg catgagtccc caggaaatcc agagcagggg ggagagcctg ggtgaacaca 60
aaagtgggtg actcatcaca ggcttgcatt tctgtggtgc aggctacatg ctgctcctgt 120
cttgaggcca actcagggaa tggatgaact cctggaggga tcctgggcca ttccttgga 180
gcgggtgact catagcactc cctcagtagg cacagtggct gactgcctca aagctggatg 240
agactagtaa taaggactct gagatgaagt ccgcctcctt cgcctatctt ctcaccgcta 300
acccaccagg ctccagaagt cgcctagaat ccaggggttc ggccgctgag caaaagctag 360
cgatgtgcac ttggacatgt ttctctccc ttgtaattca caaatccctt tctgacatac 420
tttgccctcat tagtgggaac ctggtaagga catctaggct atagccctga ctccaggacc 480
gtttatggac atcccaggag gagcacatcc cacttccaca tttccagaaa gtaactggca 540
gcctctgcag cctacaggac atggtgtctt cactcagatc cttcttaaaa gccctacctg 600
gcctcctcag ccactgtcgg taactgggta ggagacggga actaaatgac ccaaattggg 660
caaggattca tcttaagatc tggagagatt cccacagaga 700

```

&lt;210&gt; 215

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 215

```

ggagcacatc ccacttccac atttccagaa agtaactggc agcctctgca gcctacagga 60
catggtgtct tcaactcagat ccttcttaaa agccctacct ggccctcctca gccactgtcg 120
gtaactgggt aggagacggg aactaaatga cccaaattgg gcaaggattc atcttaagat 180
ctggagagat tccccacgag agtccatatt tcccacaaca gcctccacaa ttgttttcat 240
tctccttttc tgagggttcca tcccattaag aattgtgaca tgcccatttt ttccatctaa 300
cacaagacat atccttttca ctctctgatg acataggctt tgaattttgt ctgaggcatg 360
tctgtaaaca agaggcccaa tggccacttc aagaagcttt gtctggaagc ctcaggcagg 420
tctcttttcc ataccacagc attatggaca tgatggtgac catccggata ttccagggtc 480
gaagcagatc cagaatgttg tgggactgct gcttcttgga acttaggtct tgtaactgca 540
ggaacaacat cataagtgtg tgggaagaag aggtggtcag agactcagag cacacaataa 600
catacttgaa tccttgccat cttagctgtc tgcattctcag cgtcggggag tgttacgttt 660
ctaagaacag taagtatact gactgtgttt taggctgtga 700

```

&lt;210&gt; 216

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 216

```

gtgggactgc tgcttcttgg aacttaggtc ttgtaactgc aggaacaaca tcataagtgt 60
atgggaagaa gaggtggtca gagactcaga gcacacaata acatacttga atccctggca 120
tcttagctgt ctgcatctca gcgtcgggga gtgttacgtt tctaagaaca gtaagtatac 180
tgactgtgtt ttaggtgtgtg aaaacttccc taggccttgt cagtaacaaa tcagagtga 240
tgaaaatgag gaaaagtaag tgaccagtcc ctcaagggtg caggaagaca gaggcccagg 300
ctgacagctt cctcactgca cccccacata ttctgtcggg tggccacatt ccaaggaggc 360
ctctaagtat tcctcccgaa gcctggctcc ctgccctctg ggtcagagag agtacctggc 420
tgtgtggttt attggtctga ttttttttaa aagttaatgt tttgagtcct tatactatgt 480
agttactggt gtgcttccag ggaaaaagaa ttcaaataga aaaacaggaa aattgacctg 540
agcttcaccc agagtgactt cctatgaaat tcagcacagc caaggccatt aataaaccac 600
acgtctaaac acactgatgt tgctttctta agcaaaccga ggtttggagc ttgtttttcc 660
agagttagaa gttcaacaaa aggtcaactt tggactgaaa 700

```

&lt;210&gt; 217

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 217

```

gggaaaaaga attcaaatag aaaaacagga aaattgacct gagcttcacc cagagtgact 60

```

```

tcctatgaaa ttcagcacag ccaaggccat taataaacca cacgtctaaa cactctgatg 120
ttgcttttctt aagcaaaccc aggtttggag cttgtttttc cagagttaga agttcaacaa 180
aagggtcaact ttggactgaa agtatcccct gaaatagcct catttcctca aagatgccag 240
tggggccttat gcattcaccc agattgaccc ctactttaa agcccccaa accacctaac 300
ttaaaagccc tctgccacac tcttgccctga cctttgcgca caggacccct ttctgggtgca 360
tgctgacagt ggctgctggg ccaccactca ctgggaagtc tgcagggtctg gcagtggcca 420
ttggcctccg ctgtctacaa taactgttcc ctcttttcca agcccaacca tgctgcctc 480
tcacacttca gcagggtctg ttgtggctgt tcccacaccc aacctctcat cttccagtca 540
gaccacagac acattccaga accccaccag gcagcattta cagcttctaa cctctcatag 600
tcacgagacc aaggaaaact gcctgctaca gagatggtag gagaggggaa ggggaaggaaa 660
agcaagaacc aggaactagg tagagccaag aaatgagtca 700

```

```

<210> 218
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 218
cttgtggctg ttcccacacc caacccctca tcttccagtc agaccacaga cacattccag 60
aaccgccacca ggcagcattt acagcttcta acctctcata gtcacgagac caaggaaaac 120
tgccctgtac agagatggta ggagagggaa cggaaggaa aagcaagaac caggaactag 180
gtagagccaa gaaatgagtc atggtgtgtg agaacagggc tgacgggagg ggtggggtag 240
ggggaagagg tggacatcaa aaaggacctg actccaagat gatatgcaat aattaacct 300
tggagggcag aaagagacta aacacttttt tttctttttt aatgaataat tgctaatact 360
caagagatga aatacttcta actccaaatc tatttgtgct ttacatttta cgtttggggg 420
tagcttttga aggtgacaag ccaccttagg tataagaaac aatgattttc ccaaagtctg 480
actttatgaa aggcctatta ctcaaaaaga gtatttattg ttagaagtaa tgggttaaaat 540
atatgattgc ctagaaagga agtaaaaaat gaaaatctga aacctgtgtg gaaaagagt 600
aggcagctgt aacctattcc tcaacttctg agtggttaaca gggccctgtg gggggtgggg 660
agtgggggga tggggggaat gggcagttgg ggcttgggca 700

```

```

<210> 219
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 219
actcaaaaag agtatatttatt gttagaagta atgggttaaaa tatatgattg cctagaaagg 60
aagtaaaaaa tgaaaatctg aaacccgtgg tgaaaagagt gaggcagctg taacctattc 120
ctcaacttct gagtgttaac agggcccggtg tgggggtggg gagtgggggg atggggggaa 180
tgggcagttg gggcttgggc agagagaggg ctgggctgct gtgagcaggg aggacttcag 240
ggctgggtgc tgctgctctc aaatcacggc cagtctgtcc ctctcaccca caccacatg 300
gtgcttacct cactcgggtc aaagatagtg gaaggcaca caatccatt ggcttggca 360
gccttgcgga tgatcacctc tgctcttca aatcgtccct gagagatgag ccacggggg 420
gactcaggga tgaacctggc agtacaaggt ccaatctcag tgaggcctcc ctgccaacag 480
cagaccaca gaccaggtag agcacagcca taggtgggaa taagggtgca gaaccagagc 540
ttgtggaatg tttggtgatc acaagccaga agcaaagagc tgatccacac gcagcaataa 600
cctgggggtg atgagcttat gtgtaccca caccgcaca aaatgggaga gccctgcacc 660
ccctgacggc atccccatgc tggctggcca cctccatttc 700

```

```

<210> 220
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 220
gagcacagcc ataggtggga ataaggttgc agaaccagag cttgtggaat gtttgggtgat 60
cacaagccag aagcaaagag ctgatccaca cgcagcaata acctgggggtg gatgagctta 120
tgtgtacccc acaccgcaca aaaatgggag agccctgcac cccctgacgg catccccatg 180

```

```

ctggctggcc acctccattt ctgaagagca gtgttgccat ctgctgggct gaggagatgg 240
gtgcaagatg ggctccggaa gcctggcttc tgtgcatgtc tatgtcagcc caggccctgc 300
tacactctcc tccctgtccc cggcaccaac agaagcttct gcaactggcct tttagcttct 360
cttctctcct caccctaccc ctgatttata caacagatta gtcagatact ctacctaaaa 420
tagcatgttt ggccagggtgc agtgggttcac tcctataatc ccagcacttt aggaggccaa 480
ggccggtgga tcatttgagg ctaggagtgc cagaccagcc tggccaacgc agtgaaaccc 540
gtctctccaa agaaatacaa aaaaaattag ccaagtgcgg tggcaggcac ctgtagtccc 600
agctactcgg gaggctgaga catgagaatc gcttgaactg gggaggcgga gggtgcagta 660
agtggaaatc acgccactgc actacagcct gggcaacaga 700

```

<210> 221  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 221
gctaggagtt ccagaccagc ctggccaacg cagtgaaacc cgtctctcca aagaaataca 60
aaaaaatta gccagtgcg gtggcaggca cctgtagtcc cagctactcg ggaggctgag 120
acatgagaat cgcttgaact ggggaggcgg aggttgacgt aagtggaaat cagccactg 180
cactacagcc tgggcaacag agactttgtc tgagaaaaaa aaaagaaaaa aaaagaaaaa 240
gaaaagaaaa aaaggaaaaa aattagcatg tttatcaagg cacttgagtg ctctatggat 300
attattttcc accttgctgg gaccaggtag ccgcccccca cctcgggtca tgactgggcc 360
ccatgatgtg cggttactc tcccactatg cctgaaatg ctctctgtc cacttgggct 420
ggtgatctca ccttctccac ctgcaagggg tgattccac cttagcacct ctgcagtgtt 480
cccctcttgg tctggaatgg cctcttctct gcctgttcaa ctctctacc ttggtggtgc 540
agaaggagcc tggcttcctc catgtggcta ccctgaggac tcttgtttt ggtgccagt 600
cctgtggcat gaggttccag cagcacacag ccagaactag ggcctacact gtctgcctc 660
gaggcttggg aacttcctac agggcatgct ggaccccatc 700

```

<210> 222  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 222
gcctcttctc tgctgtttca actcctctac cttggtggtg cagaaggagc ctggcttctc 60
ccatgtggct accctgagga ctcttgcttt tggtgccagt gcctgtggca tgaggcttca 120
gcagcacaca gccagaacta gggcctacac tgcctgccc tgaggcttgg gaacttccta 180
cagggcatgc tggaccccat cttctcacag ctactgctat ttttccccac acttggggca 240
accagcaca gggctgagag caagtctgtt gctgtcatgg gattctgttt tgttttggct 300
cttttgagtg tggagaaaac attctgaaat aatttataat ctatgcttcc tgtctctggg 360
agacaaaata gggattcatg ggttggtgct gccctctagt gaaggccaga cagaaatcat 420
cctgccagtg ggcacatggg gcacagggtc acactcacca ccagagtgcc acgcacagca 480
ccccggcat cgtcagcgcc accagcagca tccgccagtc tcggatgaag taagcaaaca 540
gtggcagcac catgtagcca aatgcataaa atatgcacac tcctaacgta gagaatatta 600
tacgaactga cttgccaaga atttctgtcc ctgttcaaaa caaggagggt cgagttagca 660
gtttaatttg ggttccttcc ttattaattt tttatggtat 700

```

<210> 223  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 223
caccagcagc atccgccagt ctccgatgaa gtaagcaaac agtggcagca ccatgtagcc 60
aatgcataa aatatgcaca ctctaactg agagaatatt atacgaactg acttgccaag 120
aatttctgtc cctgttcaaa acaaggagg tccagttagc agtttaattt gggttccttc 180
cttattaatt ttttatggta tctttgtgaa tacacagaca agaaaacagc gagaactctc 240
tctaagttca tggcgctagg gagcggatgg cgttctgaac ccctcctgtc tgactgtctc 300

```

```

ctgggggtac atccctgtgg cctctcaggc cccaagcaa cagttctctc ttgaaaattt 360
cgccatgttc tgaagccatg tgctaaagat gccatggtag gcccccttta atcctcacat 420
gaggaagaat ttattaaaag tgaagtcatt actaagtcag cacatgctga cttaaagcctc 480
aaggaaagaa tattaaatat aaaaagaaaa aacaaccctt tcaacaatac aaccaagga 540
actcaaaggc cttatcagct agagtcaggt tcctccaaac acaggccggc ctggcagctt 600
ctcagtgaca acaggctggc acatttgaga caaagccctg cagtgtgcac tctgaattaa 660
aaccctgaag gtgacgaaag ccccttctta tcaattttatt 700

```

<210> 224

<211> 700

<212> DNA

<213> Homo sapiens

<400> 224

```

taaaaagaaa aaacaaccct ttcaacaata caacccaagg aactcaaagg ctttatcagc 60
tagagtcagg ttcttccaaa cacaggccgg cctggcagct tctcagtgac aacaggctgg 120
cacatttgag acaaagccct gcagtggtgca ctctgaatta aaaccctgaa ggtgacgaaa 180
gcccccttct atcaattttat tcttgctcgt agatatcacc agccacagtg ctctgcagac 240
aaggggttct ctaccttagc aagcttgcca gtcacagccc ctctctctcc aaccatgccg 300
ccctctttct ggggctggct cagccctgtg cagtggcagg ccttttttgt aaatggagga 360
tctctgggtg gtcctagtaa attgactacc aagtactaag accaaggagc cacagcccag 420
aggccagaaa agaactggaa atcagaagtc aggccattgt gctgctgggg accccaggct 480
ggtctcatgt ctggctcagt ttccctgcct gtaagtaagg ttcaccagga agctctggct 540
agttttgtta gaaaccctgt ccccttgag ggacatcaca gctgtctcca gaaaggtagg 600
tgatgggatg atgggtgaaat acaggatcaa gtactcaact ccaacctgat ggccataccc 660
aggacaaatg ctgccacata gttggagatc tggcccatgc 700

```

<210> 225

<211> 700

<212> DNA

<213> Homo sapiens

<400> 225

```

tttccctgcc tgtaagtaag gttcaccagg aagctctggc tagttttgtt agaaaccctg 60
tcccccttga gggacatcac agctgtctcc agaaaggtag gtgatgggat gatggtgaaa 120
tacaggatca agtactcaac tccaacctga tggccatacc caggacaaat gctgccacat 180
agttggagat ctggcccag cctacaagga caaacagcac gacaaacatc tcaaaattct 240
tcgagaagat ctgcaggaag ctgaagcctg tctgcatgcc catggtcacg aacagcacat 300
tcttccggcc aaacctggga agaaaaggag agtgacagat aaccagctgg aaaagggcag 360
caggaatggg ctccaccaag tggggctttc tcaagatcca tccagtaagt ggggtgtgaac 420
agtgttgcca gaatactggc tgccagggac agtctcggtc tcacagtgcc catgctatct 480
ctccccctcc ccaactccca tgacaaatgt acagcctggg taccaggggt gcctaaaaag 540
caatgctaca attatgataa tgattgcaag agactgaaat acatcaatta tttaatccat 600
acattcataa tgatattttt tttaaaaaag aatctgccaa atttggagaa taacagagaa 660
acaattcatt ataaatgaaa actggcaaat aaagagaaag 700

```

<210> 226

<211> 700

<212> DNA

<213> Homo sapiens

<400> 226

```

atgacaaatg tacagcctgg gtaccagggt tgcctaaaaa gcaatgctac aattatgata 60
atgattgcaa gagactgaaa tacatcaatt atttaatcca tacattcata atgatatttt 120
ttttaaaaaa gaatctgcca aatttgagga ataacagaga aacaattcat tataaatgaa 180
aactggcaaa taaagagaaa gaagcatttg tcctgatttt cctttgtaaa ctatgtgaac 240
agcaaccaat aatagataag aggtagtatc atgtacaaaa gtattctaac ttttaaata 300
aaaggtaata aaattagaat aataccattt atagccccc aatggattaat agatctatgc 360
attatatact aattactggt aacatcataa agagacagtc aggaattgca tgcttcctat 420

```

```

ggtcttgcca aaaggactga acctgaatca gaacctgaat ctcaagtctc tggatccaac 480
tgccaatttt gaggaatgc agagcataga ggaatgtgct gaactgcac atcagtgtgc 540
aatcaacaaa tccagactgg gaaattctat aggtggaata gctcaggttc ttcatagata 600
atcagtaagg catagaaggc gatagaagga gaatccatag attaagtaga ctaaaagaca 660
tcaaatatat taagtgggca acactaaatt tgtgtcaagg 700

```

```

<210> 227
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 227
cagagcatag aggaatgtgc tgaactgcat catcagtgtg caatcaacaa atccagactg 60
ggaaattcta taggtggaat agctcagggt cttcatagat aatcagtaag gcatagaagg 120
cgatagaagg agaatccata gattaagtag actaaaagac atcaaatata ttaagtgggc 180
aacactaaat ttgtgtcaag gatgcatatt tcgataataa aactaaaaaa actcacaagg 240
aagtgattat tacaggagtc aggctagcgg ttacttaatg gggagagaga gaggatgctg 300
taattgggat ggggcacatg gacagggtt cttagtggac agcaaagttc tactgctcga 360
cttggtggtg gtcataagggt tatttctctg aaaaaaatc attaagctac acatttgttc 420
tgtgtgggtt tctgtatccg tgctcatttt aaaaagtgtt taaaattggg tttattttgg 480
tttggtttta agagagtgc acaaacagga ggaaaaagtc aagctagtgg gaagcagtgg 540
gttcagtttg agtctggcca gtactggctg acacccactt tcattcaatg tttattgagc 600
atctattata gagggcactt ggatatcaat aaattaaaaa agatgctgtt tctgccctta 660
aggagtgtca tagtataact ggtgaaacac atattaacca 700

```

```

<210> 228
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 228
cacaaacagg agggaaaaagt caagctagtg ggaagcagtg ggttcagttt gagtctggcc 60
agtactggct gacacccact ttcattcaat gtttattgag catctattat agagggcact 120
tgatatacaa taaattaaaa aagatgctgt ttctgccctt aaggagtgtc atagtataac 180
tggtgaaaca catattaacc acattttaat ctaacaacac gctactgaat atacaattac 240
acactgagtc aagtgcactg aaggatcggc atgcagggtta atgagaggca caaggaagga 300
agctaccctg gactgggggt aagggttggg gaactggaca ttcaggaggg gtctccttga 360
tcatgggaca ctgagatggg aaaaaatagt tgacgatggg ggatttaagg tgtagggacc 420
aagctctcaa tgatattcac agtatagtgg ggaagaccaa cattaatcct ataataacac 480
tttttttccc ccaatttctg gtagacgttt taaaggaaag tcataaggaa ctagggatcc 540
tgaattagcc agcatgggtt aagaaggcca cagggggtgg gttgggggtg gtggggaatg 600
cttcagactc tgagaagacc acacaccccc atggctggag ggggcatggt gaacatgagg 660
aaccagtgtg gttggcatca ggcgtgcaat tcaagagtac 700

```

```

<210> 229
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 229
ggtagacgtt ttaaaggaaa gtcataagga actagggatc ctgaattagc cagcatgggt 60
aaagaaggcc acaggggggt ggttgggggt ggtggggaat gcttcagact ctgagaagac 120
cacacacccc catggctgga gggggcatgg tgaacatgag gaaccagtgt ggttggcatc 180
aggcgtgcaa ttcaagagta cagtgggtgg taggaggcaa attgcacaag gtcttgcaac 240
tatgtggaag agtttgggtt ttttcctcaa taaaagaggt ttttttctgt tgttgttttt 300
tttttccatc acttgggggt cactggcatc taatgagtag aggccagata tgttgtaaaa 360
tattctaaaa tgcccaggaa aatgccctag aacaaaatta tttggctcaa aatgttaata 420
gggtcgaggt tgagaaactc tcgcctggtg gtagactcta ctttcccctg catggttttt 480
ttaacaagca tgttctatat gccaaccaag ggggtggttc taaccacaag gcaggctggt 540

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ataatctcta tgccctttcc ctccctaaga gtcacctggg atggttaggga agagacagat 600
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<210> 230

<211> 700

<212> DNA

<213> Homo sapiens

<400> 230

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gcaccagtcc ttggcagttc aggggttgggg ccagaaatgt ttgcttttaa agtctgtcaa 180
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<210> 231

<211> 700

<212> DNA

<213> Homo sapiens

<400> 231

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ttcatcttact agacttaaat taccctactt taatgaaagt tctgtggcca aaatgttttag 180
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tccccaggca acctcatccc tatctggggc tctgctgagg gttctatatg ctgacaaatc 600
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<210> 232

<211> 700

<212> DNA

<213> Homo sapiens

<400> 232

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caaaaacctct catgcagtc catatccata cagccagctt cacactctac ttctccactt 180
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700

<210> 233

<211> 700

<212> DNA

<213> Homo sapiens

<400> 233

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ttattttaatc	cctctgtctc	actttctcca	tctgtaaagt	aggaataata	aacagggtta	660
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<210> 234

<211> 700

<212> DNA

<213> Homo sapiens

<400> 234

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gggtggatca	cctgaggtcg	ggagtttgag	accagcctga	ccaacatgga	gaaaccttgt	300
ctctattaaa	aatacaaaat	tagctgggca	tggtgggtgca	tgctgtaat	cccagcaact	360
caggaggctg	agacaggaga	atctcttgaa	cctgggaggc	agaggttgca	gtgagccgag	420
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aacaacaata	aaaaatatct	ggctgcgcac	gggtgtctac	gcctgtaatc	ccagcaactt	540
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gactcctttc	caccggctaa	cccaccgatt	tgtgggtgt	tctcacatgt	gccatgtggc	660
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<210> 235

<211> 700

<212> DNA

<213> Homo sapiens

<400> 235

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ataatggacc	cctctaagaa	cttcatgaaa	gctacggacc	tctctccaaa	aaaatgctca	300
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caaaacacta	ttctccctcc	tgtcataaag	taaagtccaa	aaccacaggc	cacttagcta	480
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tggcactact	acagatctac	aatctagcac	atgtgcatgt	gtgcatgatg	tcaacctctc	660
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 caatctagca catgtgcatg tgtgcatgat gtcaacctct cccatgctca ggggcatgac 180  
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<210> 239  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<400> 239  
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 aggctgctag cctgccctcc acggagcctg ctggctcctc accaacaacg caggcaaggg 180  
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<210> 240  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<210> 241  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<210> 242  
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 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 242

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&lt;210&gt; 243

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 243

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&lt;210&gt; 244

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 244

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accaggact gggccgaggg cttcttagaa gcagacaggt 700

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&lt;210&gt; 245

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 245

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gtcagccccg gtcccagctc ccaggttgct ctggcttttc ctccaggcag ctttggggat 60

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<210> 246
<211> 700
<212> DNA
<213> Homo sapiens

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<210> 247
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 247
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gccctgccaa tattttattt tttattaatt gctagcagat tccctctgcc aatcccaaca 180
cctcattcca catccatgtg gcatcaaagc cccagtcagt gggcaggggg agtcacattt 240
cctttaaaaa attccagtca atccttttca gccaccctca agtttccctt ctaagaactg 300
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aacaaattaa aaaaatccaa acaggacacc tgagggtcca gtcttcagtg gaaaaaatat 540
gactagtaat tcaataccag tgtacttaca aacaccttta tgtatgattt ggggcagagg 600
gcaggcttag agacatttag caggcatggg actagatgca gtgttcagca ggccagggtt 660
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<210> 248
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 248
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gtgtacttac aaacaccttt atgtatgatt tggggcagag ggcaggctta gagacattta 120
gcaggcatgg gactagatgc agtgttcagc aggccagggt tgggttgaaa gacaacaggc 180

```

```

catagaaaaa gccattagaa tgttgatgca gcaacttcca gcagtagctg ttcacctggg 240
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ttaatctggc ctccttgcaa agactgacaa catataagta ggtgaaaggg cacataactc 360
ctttgaaact gctaagacag ctaaataaat agtctaaata ttaaaaaaca aaaggctgac 420
attggcagca agataaggtc agaccccttg gcacagctgg cctttgggag ctcacatgac 480
ccaccatcac tcagcccaat gtgggatgga ggcagcaaag caggaacaag tgactagagt 540
aagccgggga accctcaggg gtcaatgtaa aactccaaga gatgccatgt gcttcttctt 600
gcttcactac ttccctcttc tttaggcagc cccaagtaga atttgtaggg attcctgtgt 660
catgttcccc tctgtggcct ctgcctgcaa cctcaggggac 700

```

&lt;210&gt; 249

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 249

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tgtgggatgg aggcagcaaa gcaggaacaa gtgactagag taagccgggg aacctcagg 60
ggtcaatgta aaactccaag agatgccatg tgcttcttct tgcttcacta ctccctctt 120
ctttaggcag ccccaagtag aatttgtagg gattcctgtg tcatgttccc ctctgtggcc 180
cttgccctgca acctcaggga cagcctctgc tttcatagta ctactggct tccgggaagg 240
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ctgtggattc atggggcaga aagcacagtt ggctacctcc aaggagtgcc tctttgtgca 360
agccatgatg cctctggaca ctgaagctat gtcactagct aagaaatccc agtggggctc 420
cggtcacact cccactacat atatgtggag aaagcagggt caaatgctgg ggacatcaaa 480
tttccaaaaa gaaaaaacac acacatgcac acacacttgg atctcccagg gtagctctca 540
gactccattg aagggatgat acgccaagaa gcaacacagt tgggatctcc agagcccctg 600
taagcccctc tgaggctcca ggaggggagg ctcagcacca acatccagca gggcttgaag 660
ctgtgccagg gcctgtggca ctctccctct ctatgaactc 700

```

&lt;210&gt; 250

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

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cacacatgca cacacacttg gatctcccag ggtagctctc agactccatt gaagggatgat 60
gacgccaaaga agcaacacag ttgggatctc cagagcccct gtaagcccct ctgaggctcc 120
aggaggggag gctcagcacc aacatccagc agggcttgaa gctgtgccag ggctgtggc 180
actctccctc tctatgaact ctccctctc tgtgaactcc gccgtcctgc tgggtggtt 240
cttgetgctg cattggggcc ttcagctcac tattatgctg agctgaacac cctaggctca 300
ctgagaggcc tctcttctg ggaagccttc tctaacctgc gaattggtca tctgcacatt 360
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ttcagggagc tagagtgcc gtgtctaaaa aagacacaaa acacatacat cattaacatc 480
atgttcctac atccagctcc aacaactgct ccaacagggt cggaggggac agacaaaacc 540
acccagaggg aaaatccaag gggatgagaa atgagaaaag ctccccaca ccctatgacc 600
taaggctgta tgctttaact aaatctggcc gacagccttg cctcataata cctgagaaaa 660
tattccaggt caacaagtca ccctgaaccc atcttcagat 700

```

&lt;210&gt; 251

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 251

```

caacaactgc tccaacaggt tcggagggga cagacaaaac caccagagg gaaaatccaa 60
ggggatgaga atgagaaag gctccccac accctatgac ctaaggctgt atgctttaac 120
taaactctggc cgacagcctt gcctcataat acctgagaaa atattccagg tcaacaagtc 180
acctgaacc catctcaga tgaatggatc ttaaagagtg acaactgacg gcctggcgtg 240
gtggctcacg gttgtaatcc cagctttgca ggcagaagca ggcagatcac gaggtcaaga 300

```

```

gatcgagacc atcctggcca acacggtgaa acccgtctc tactaaaaac acaaaaatta 360
gctgggcgtc gtggctcaca gctactcgga ggctgaggca ggagaatcac ttgagcccgg 420
aaggcgaaga ttgcagttag ccaagaacgc acgactgcga aggttgtagt gagccaagaa 480
cacacgactg cgctccagcc tggtagacaga gggagactct gtctcaaaaa aaaaaaaaaa 540
aaaaaaagac tgacaactga ccatgggaaa aggcaaaaca ttacttacag ggcattgacca 600
gattgtcgtt tttgggttgt ggacggtagg ggaaggagta actagaggaa aaagggaaga 660
ggcagttgta tacacatgct ttattttaact tttaaaagt 700

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<210> 252

<211> 700

<212> DNA

<213> Homo sapiens

<400> 252

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tggacggtag gggaaggagt aactagagga aaaagggaag aggcagttgt atacacatgc 180
tttatttaac ttttaaaagt tcaggaaaaga gaagtatttc ttctcttcta aaaagaaatc 240
aagagactag aggaaaaacg ggatagcccc tggcccaagt cctggctctg ctacttacca 300
cccccaacc cactagagt aagtcctgga cacacagggc catagagcat cgcccaggga 360
ccgccaggac cttcctggta ccctcttcaa agtggccatc aggacgggag gccagactga 420
ccacctgtgc agggaggagc aactgtggc tggaggtcac ctctgaagc gttcccaagc 480
cacctggctg gaggtctcc atcgctaggg tgttgaccgt tgggggaggg ggagtgcag 540
cgtccagtgc gcatctggga gagaggagct cgggttcaag gaccgcgaca ggtcctccga 600
gccctggtct cagccccagc aggggccggc acccactcg gtcacaatgg tggacaggt 660
gacgtcctga ctgaactccc agccatccag acagctctcc 700

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<210> 253

<211> 700

<212> DNA

<213> Homo sapiens

<400> 253

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caggggcccgg caccacctc ggtcacaatg gtggacaggt agacgtcctg actgaactcc 180
cagccatcca gacagctctc ctgctccagc tgccccaggt ccacgtcgcg ccccggtccc 240
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aggccggtga agccattggg gatgatgctg gcgctgagca ggaagaagat gaggcgctgg 480
aaggggcccc actcgcccag gaaggcggtc acctcgtcgt agtcccgcag gccgcccctca 540
gaggcccaca gagcgcggcc tggggtctgg gaacgcggcg ggctttgcgc gtgcgcgcgg 600
ggcaccgcgc gccgaccagg caagccaggc agcaggcgac ccaagaccgt ccgcggaggg 660
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<210> 254

<211> 700

<212> DNA

<213> Homo sapiens

<400> 254

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gcaagccagg cagcaggcga cccaagaccg tccgcggagg gtaggctcgc gagctgacac 180
cgccgccttg gtcttgccgc ggctggcctt acatatggcg cagcaccagg gaaggttccg 240
ggcctggggc gcaaggcgcg ccccgctggc aggcagagcg gcgcggcgga aggcggagct 300
ggggcgggac gcgaggcgcg gggcggggcc gggagtgcac ctgaggcccg ggcggggcct 360
gtcctgggga cctggcgagg cccggcctct gccagccacg cctgctgggg acgaccgag 420

```



```

tagccccggg tccgcttagg aaggcagcgg gactcgaggg cttgggggtcc gagtccgaac 480
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aaaacgcacc cctcccagct ttttgcaagg cctacttggg ggcggaggta aggagaaagt 600
cactggccca gggcttcaca gatagttgct cttgacaccg cctaattctta taagagggac 660
ggggattatt ttgaacctgg gactgttaac taccctagta
700

```

&lt;210&gt; 255

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 255

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cggggagcga gtgggagagc ggccgcgaag ctccagtgtt gaaaacgcac ccctcccagc 60
tttttgcaag gcctacttgg gggcgagggt aaggagaaag tcactggccc aggggtctcac 120
agatagttgc tcttgacacc gcctaattctt ataagagga cggggattat tttgaacctg 180
ggactgttaa ctaccctagt agagaggctg ggagctatga cttttcattc tagtccagat 240
gccctttcca cattttcgtc tgtaacaagc cattttggtc atgcagatgt aaaaatttaa 300
cttcacgatt aacgatccta gcctaggggtt aatatattccc cacagattag ttattttcgt 360
gcagagttaa ttcagaagct aactggaaaa aaaaaaaaag cagcgagggtg attctaaagc 420
agcaatgttc cataggataa ggagctacat ttgttatgtt aacttttcta gtagccatat 480
taataaaatt gccagattta gcaataaaaa atataggact cctagttaaa tttgaatttc 540
agatatagaa tgaataattt ttaaatatta tgtcccaagc aggaatatat aaaataaaaa 600
tgtaactggg tgtcctgtat tttattgggc aatgctgcat atttaaaaag taaaaataaa 660
agatgaaatt aacttttagt gtatatttta tcaagtatat
700

```

&lt;210&gt; 256

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 256

```

agcaataaaa aatataggac tcctagttaa atttgaattt cagatataga atgaataatt 60
tttaaataatt atgtcccaag caggaatata taaaataaaa atgtaactgg ttgtcctgta 120
ttttattggg caatgctgca tatttaaaaa gtaaaaaataa aagatgaaat taactttagt 180
ggtatattta atcaagtata tccagaacat gatcatttca tcatataatc aatatagaaa 240
ttattgatat tttacattgt tatatgtaaa tcattgatct ttttttcccc tcctcactact 300
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aatccagtggt gtattttaca gcacatttca atttggacta gccacacttt ttatttttta 420
atatttatatt attcatttat ttattggaga cacgggtccca ctgtgtcacc caggctagag 480
tgcaagtggca caatcatagc tcaccgcagc cctgaactcc taagcttaag tgggcctcct 540
gcctcagcct gctgagtagc taggactaca ggcacatgcc accgtgcccc gctaattttt 600
ttattttttt tatttttacag agacaaggca tcctctgtgt gcccaggctg gtctcagact 660
cctgggttta agcaatcctc ccacctcagc ctcccaaaat
700

```

&lt;210&gt; 257

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 257

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ctcaccgcag ccctgaactc ctaagcttaa gtgggcctcc tgcctcagcc tgctgagtag 60
ctaggactac aggcacatgc caccgtgccc agctaatttt tttatttttt ttattttaca 120
gagacaaggc atccctgtgt tgcccaggct ggtctcagac tcctgggttt aagcaatcct 180
cccacctcag cctcccaaaa tgctgaatta cagacgtgag ccactatgcc tggccagact 240
cattttttta gtgctcagta gccacatgta gctattgggt atcttattgg acagcaccat 300
tcctaaggcc ttttaagaatt tgggctgcta aacttaacaa tgcaagatat tcctttttta 360
aatagtagtg gcttagtgat agaaacagaa ctaagtgtat atttttacaa tataatgtgt 420
tgggtaaaaga atatttaata gtcactatat tatgagttga aaataaagct acagaaaggg 480
aacctaacct ggccagcaga tttttaataa ggaaatctaa acatttgcac aaagcataat 540

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```

agacttaaaa aaattatgat aaagatgtta tcacaggact tgtttgtttc tttataactta 600
ctattcacta ttcttacttc gtgaagatgg atgggttatac cttcagcaat gtacttaaat 660
ccttctaaca tcttatgtga agttatagtt cttatctaga 700

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<210> 258

<211> 700

<212> DNA

<213> Homo sapiens

<400> 258

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cgtgaagatg gatggttata ctttcagcaa tgtacttaaa tccttctaac atcttatgtg 180
aagttatagt tcttatctag aactaactga aaaagaaagc aaagcttctt gaaaaataaac 240
tccttttttg tgtgctaaaa tattatttta atgcttcaaa agaaatgaaa gcttttatga 300
gaagaatggt gacctctgtc cagaccaaac aagatgaaga agtcttattt taacatttga 360
gaaatatcag ttgggcatca gataacattc ctgaaaggga ctgaaaacaa tgcagtatac 420
tacaaaagaa gctgcatatc cttaggaaga aaagaaacta tttgtcatag atggcttgct 480
cacatgcgca aagcagagag caacctaaaga tgggtgccgtc cagttccagg tgcactgtga 540
ttactatctg aatgccatta ctattttaa atgcatTTTT ttttgagaca gggctctcct 600
ctgtcaccca ggctggagtg cagtgggtg gtcttggtc actgcagcct caacctctg 660
ggctcaagca atcctccac ctgagccttc caagtgcctg 700

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<210> 259

<211> 700

<212> DNA

<213> Homo sapiens

<400> 259

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gcaacctaa atgggtgccgt ccagttccag gtgcaactgtg attactatct gaatgccatt 60
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gcagtggagt ggtcttggtc cactgcagcc tcaacctcct gggctcaagc aatcctccca 180
cctgagcctt ccaagtgcct gggactacag ccacgcgccg ctacaccag ctattttttt 240
tgtatttttg gtagagacag ggttttgcca ttttgccaa gctggctctca aattcctgac 300
ctcaagtgat cccccgtct tggcctccca aagtactggg attataggta ggagccacca 360
taccagcct taaatttcat cttttaaaag agaaagagag cttagaatct taatcagtta 420
cctgaggccc tttatcctgc aatattctga attgggatgt tcctatttta catattaaaa 480
aatgtaaaac tgatttatat ggtagataac cctacagttc agggctagaa ctttagatta 540
aatgcattca taccctggca gatgtggtag cttgcctcca agatggcacc caatgaatga 600
tccctgtacc aggattgggt tatgtgacca aaagcataca gcattagtga tgatacttat 660
atcacttggg taattacatt ataaaagatg tccatcatgg 700

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<210> 260

<211> 700

<212> DNA

<213> Homo sapiens

<400> 260

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ctatgtgacc aaaagcatac agcattagt atgatactta tatcacttgg gtaattacat 180
tataaaagat gtccatcatg ggtgttctt tccttttctc ttgctcagag acaagcaagc 240
tgtcatgtta taagcagccc tttgaggggt ccatgtgatg tcaaggaatg aagtctctag 300
ccaacattta atgaggaact gagggccacc aacaaccttg agtgagcttg gaagtagctc 360
cttcagcatc agttgggtgt cgagatgact actgacagct tgactgcaac ttcattgagag 420
tcttctggac cagaaccact cagttaagt gctcccagat tcttgatcct cagaaactct 480
gagaaataat gaatgttggt tgttttaaaa tggtaaaatt tgagggtatta tgttatgtgg 540
caatagatag ctaatatata aattatttga atcaacaat acgttaaatt aaagctcaga 600
agaataaaca tctgtaattc cttaatttgt tttcccttct attctacaga atagaatttt 660

```

acagatgaac cttgtagtta cttgtgcaat aagagacagt

700

&lt;210&gt; 261

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 261

ttgtttttaa	atggtaaatt	ttgaggat	atgttatgtg	gcaatagata	gctaatatat	60
aaattatatt	aatcaaacaa	tacgttaaat	taaagctcag	aagaataaac	atctgtaatt	120
ccttaatttg	ttttcccttc	tattctacag	aatagaattt	tacagatgaa	cctttagatt	180
acttggtgca	taagagacag	tatgttggtat	tgattaaagt	cagagcctct	ggatgtatga	240
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aggaggggtg	atcacctgag	gtcaggagtt	tgagaccagc	ctaaggaaca	tggtgaaacc	660
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&lt;210&gt; 262

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 262

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ggtcaggagt	ttgagaccag	cctaaggaa	atgggtgaa	cctgtctcta	ctaaaaatac	180
aaaaattagc	caattgtggc	acgcgcctgt	agtcceggct	actcaggagg	ctgagggtgag	240
aggattgcct	gagcctggga	ggtggagggt	gcagttagcc	gagatcgcg	cactgcactc	300
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gtagaaggcc	caagcttagt	ccaatattat	agcttcagca	tcagagtaga	gaatgattca	420
gagcatctgt	ccagtgtctg	ctgtagatcc	ctcaaaccg	tggttgagc	cttctggtaa	480
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gagtggccaa	cccagatatt	tcatttctta	tctatgacga	acttctgaac	tgctcccacc	660
cccagcccat	cctgtagaat	gcaggcccta	cgaggcgatc			700

&lt;210&gt; 263

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 263

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aagaagaatg	tgtgttcaga	gctccaagct	aaggaatctg	ggagtggcca	acccagatat	120
ttcattttct	atctatgacg	aacttctgaa	ctgctcccac	ccccagccca	tcctgtagaa	180
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gaggttgcta	ggggaagggt	gttaagtaaa	aatgttatat	aaactgcatg	gtgttttttg	300
tttgtttttg	tttttttgag	acagagtttt	tgctcttggt	gcccaggctg	gagtgcaatg	360
gtgcaatctc	ggctcactgc	aacctccgcc	tctggggttc	aagtgattct	gctgtctcag	420
cctcccaagt	agctgggatt	acaggtgccc	accaccaggc	ccggctaatt	ttttgtattt	480
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aattgcatgc	tttttacaag	gagttttggt	tctcctgccc	agcccactgc	cactggactg	660
ccctgtattg	taagtccctt	caataaacct	tatgtctcag			700

<210> 264  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 264  
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 ggagtttttg ttctcctgcc cagcccactg ccactggact gccctgtatt gtaagtcccc 180  
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 gtgccatccc tactgaagtc aatgggggtct gacatgacta ggggaacttg aacaaaatct 300  
 gaaatagctg tttttttggt gccaaaatca ctgtaagaca ttatttgctt cagccccaga 360  
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 cgtcagccta gcaagacttg gcacaattct gttggattgc acaatagaat gagaaatcac 540  
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 <212> DNA  
 <213> Homo sapiens

<400> 265  
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 ttttaaggact taaatgtcca gactgtttct ttagatgagt gtaatttcca atgtgaaacc 240  
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 ttctagaata gatggaaaag acattagtga gggccaatat agaaatatga gttttcccaa 480  
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 cttcgttcat ttggcaaaca tatgaataga ctgatgtgtg ccaaactg ttccgagttc 600  
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<210> 266  
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 <212> DNA  
 <213> Homo sapiens

<400> 266  
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 caagctatct gttttcatgg agctcgtatt ttacttggag gatggagagg ctgacaataa 180  
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 ggatgtgctc ggggtgacta agtaacggag agaagaccag cgtgactaga acatagtgat 480  
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 agccaaattg tctagtgcct tgtagatagt ggcaaggagt ttggatttta ttctagatgg 600  
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<210> 267  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 267

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gtcttacttc tagcataaaa ggaacattct ggctgctata tagagaaggg actgtagagg 480
acaagaatga aagcagggtt actgattaga aagcattgca gcattatagg caagagctta 540
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ttggaggaaa aaggtgacat gatttactat tggatgtggg catgagggaa ggaaattaag 660
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```

&lt;210&gt; 268

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 268

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gactgattag aaagcattgc agcattatag gcaagagctt atgatggcct gaactagagt 60
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gtttagcat atgtcagaat ttcttctcct ttttaagactg aataatatgc cattatatat 660
gtatactaca ttttgtttac ccattcatcc actgatggac 700

```

&lt;210&gt; 269

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 269

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ccattcatc cactgatgga cacttgggtt gcttccatct tttgectgtt gtgactaatg 240
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tggtgttttg tttgtttttg tttttttaca gaagctatcc taatgggtat aaagtggat 540
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ttaaatacag gttttttttt tgttgttgtt gaattgtagg 700

```

&lt;210&gt; 270

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 270

```

gttttttttac agaagctatc ctaatgggta taaagtggta tttcattgtg gttttatattg 60
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attttctttg gagaaatgtc tactcaactc ttttgcccat tttaaaatca ggtttttttt 180
ttgttggtgt tgaattgtag gagttcttta cataatttggg atatgaacca cttatcagat 240
acatgatttg caaatatttt ctcccattct atgccttttc actattgatt atatcctttt 300
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cccaggagag aagtcatata ggaacacata ggtttcccta gggaatacag tcatcttaga 600
gtaaaattcc atcgaaggag atcaggaggt cttggctgag ttaaatttgg ataataataa 660
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```

&lt;210&gt; 271

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 271

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catatagatg gtattttaagg ccatgggtct ggacagaatc acccaggaga gaagtcatat 60
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gttctaagct agatgccagg ttaaggcaga aattaggagg tcttgggcaa gtatcaattt 240
gctctgctat tgtattatta caagaataat actaacaata gtacatgacc tcatttcatc 300
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&lt;210&gt; 272

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 272

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agtacagagga tgtgcctata gttccagctt cttggaaggc tgccgcagga agatgctggg 180
gcccaggagt ttgaggccag ccagggaac atagtaagac ctttctcttt aaaaaattt 240
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&lt;210&gt; 273

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 273

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ctgggcgaca gatcaagact ccgtctcaaa aaaaaaaaaa ttttttttta aggcatagga 60

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<210> 274  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 274
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tagccccctg ctttcaagcc tgcactctca attactgatg ctacatctca ttaccctgaa 240
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tgtcaccgca gtcacatttg tgtgtggtga atgggtccagg agagatggtg ctattcctgc 360
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<210> 275  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 275
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ttgggtcactg tactcctacc ctgggtcact ggaggaaatc acacaaccat gtgagttggt 180
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ggtataaact gaaagggaaa ggaaatgata tcagggtgaga gctgaagagt tgggaggaaa 480
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cagcagcaag agtgtgaagt ataggtgaag gtcaagtact gcgaggctaa ggtgtagcac 600
tactcatctt cctgagcaca aaagtcacca gcacctggg ctgggtgtca gagagctcac 660
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<210> 276  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 276
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tataggtgaa ggtcaagtac tgcgaggcta aggtgtagca ctactcatct tcctgagcac 120
aaaagtcacc agcaccttg gctgggtgtc agagagctca cagaatgtgg ataaccaacc 180

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gattacattt  gcagtgctgg  aggaagatca  tctcaagggt  cacaaaatca  agctttaaac  660
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&lt;210&gt; 277

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 277

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gaggaagatc  atctcaagg  tcacaaaatc  aagcttttaa  cttgtctgtg  tcaacagacg  180
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gaacatgact  ttgacctggg  tttcagcctc  cacagggcta  agccccaggg  gagcactggg  420
caagttgcta  aggccacaag  caggagttta  taaccaggct  agactaagcc  cactgatgca  480
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cagcctctca  agtagctggg  attacaggca  cccgctacca  tgcttggtca  aattttgtat  660
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&lt;210&gt; 278

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 278

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tatggaaatc  tggaaaaaat  aaaacagaag  tcatctataa  tctgaccatc  caaacatacc  480
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&lt;210&gt; 279

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 279

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cgccctggcct tttttttttt ttaagacagt tttgctcttt ttgcccaggc tgtagtgcag 360
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&lt;210&gt; 280

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 280

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tttttttgta gaaccagtgt gtgttaggac attcttgcac tactataaag aaatacctga 660
gactgggtaa tttattaaga aaagaggttt aattgactca

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&lt;210&gt; 281

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 281

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tgtgttaggc cattcttgca ttactataaa gaaatacctg agactgggta atttattaag 180
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aaccagattt ctcaagaact cacttattat ggtggggaca gctccaagcc atgagggatc 420
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&lt;210&gt; 282

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 282

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gttaactcca aagcccaaaa ttcaaagtct catctgagac aaggcaagtc tcttcacct 180
atgagcctat aaaatcaaaa acaagctata tacttccaag ttacaatggg tgtataggca 240
ttgggtaaac atgcccattc caaaagagaa attggccaaa agaaaggggc tacaagctcc 300
atgcaaatc aaaaccagc agggcaatta ttaaattgta aagctccaaa gtaatcttct 360
ttgactccgt gtcccatatc cagggtctac tgggtcaaga agtgggctcg caaggccttg 420

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ggaagcttcg cccctgtagt ttgcatagta cagcctccac agctgctctt atgggctaga 480
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cagggtctgga ggggtggtgac ccctttctca cagctccacc aggcagttcc ccagtggaga 600
ctgtgtgggg ccttcaaccc cactttccc ctccaaactg ccctagtagg ggttctctgt 660
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<210> 283
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 283
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gccaaagcat atggcttttg ctctttggag cagcagcctg agctgtacct gagggccctt 360
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cagagccatg gggtcctagg cctagcccat gaaatgattc ttctctctag gtctctgggc 480
ctgtgcctgt gatggcaagg gctgcccctg agatctctga aatgccttca aggccttttt 540
cccattgtct tagctattag tacctggctc tcttttagtt attcaaattt ctctagcaag 600
tggttgctcc acagcctgct tgaattctc tactgaaat gcttctgctt tctctatcac 660
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<210> 284
<211> 700
<212> DNA
<213> Homo sapiens

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<210> 285
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 285
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tgaagcaggg atgcataaag ttagttcaga gagagaacag gatacaattt taaatagtgt 240
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gagaagcatg tctagtatgt tcaaagaata gcaaagcctt ggtagcctta atgaagaaag 420
caatggagag agtaataaga gatgatgtca gcgagctaaa ggaggggcatg aagattagag 480
tagggcccta taaactggat gaccactgtc aaatgaaatt aaggctgttg aggcagaaat 540

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gatttgataa aagtttattg gaagccaaat gtgaggatga acccaggaaa acacaccaac 600
aaagttgaga gtgttctgga gtctgttaca agttggaaaag ttagaagaca ggaggggggac 660
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<210> 286

<211> 700

<212> DNA

<213> Homo sapiens

<400> 286

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agtctgttac aagttggaaa gttagaagac aggaggggga ctcttcatac aggagttgtc 180
ctttttcact ggaggggtaca atacaaagggt tacaataatt ggctacagat tgcaacatgc 240
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tgtccttttc agtgtcagta ggtggtgcat tgatcagtac atcaacaatt tgaggaactt 360
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ttaatttggg agctgtttac ttttaaagta aactgtcaaa tgtgacctgt aggttattgc 480
catatataat ttgtcatcca aattaggaga cttctagaat gaaagttgga ggtgaggggt 540
attaatcatt aacactaggg ctggttgccg tggctcacgc ttgtaatccc agtactttgg 600
gaggctgagg caggcagatc acgaggtcag gggattgaga ccatcctggc caacatggtg 660
aaaccccggt ctctactaaa aaatacaaaa aaaaaaaaaa 700

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<210> 287

<211> 700

<212> DNA

<213> Homo sapiens

<400> 287

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cacgaggtca ggggattgag accatcctgg ccaacatggt gaaaccccggt tctctactaa 180
aaaatacaaa aaaaaaaaaa atttagctgg gcatggtggc acatgcctgt aatcccagct 240
actcagaagg ctgaggcagg agaattgctt gaaccaggga gtcggagggt gcagtgaact 300
gagatcatgc cactgcactc cagcctggca acagagcgag actccgtctc aaaaaaaaaa 360
aaaaaaaaag ttaacactag ttcagtggag agaagccagg actgtgctgg acaaactctg 420
acgtgtaatc attctactta tagaccattg taaggacttg ggctttcaaa aaatctgact 480
gagatgggaa gcgattggaa ggttttgagc agaaaagtaa catgatgtga ttgagatc 540
cctgactact atgctgagag tagattgaag gggcgtagga gcagccttaa tgaagaagga 600
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gcaaaagatt ttattgacag attggatgtg gagtacaaga 700

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<210> 288

<211> 700

<212> DNA

<213> Homo sapiens

<400> 288

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gattggatgt ggagtacaag aggaagagca gccaggaaaa taaagtttcc atttactgag 240
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acatgttatg tttgagacac ctattatata tccaagtggg gatatacaagt gggcagttat 360
tatgtgagcc tggagtccac tctctctatg tgttggtggg catcagtgcg gagatgatat 420
ttaaatcatg agactggatt ttttaaaaag gaagaggact gaagactaag ttctgggcac 480
tccaattttg ggcagtagcg gagatgaaga aaaaccagca cactagatgg taaaggagca 540
gccaacaagg taagaggaaa accaagcaag tgtcattttt gttgattttt ttgatacaga 600
gtctcactct gtactcagg ctggagtgcg atgacacaaat ctcggtcac tataacctct 660

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gccttctggg tccaagtgtt tttcttgccct cagcttccca

700

&lt;210&gt; 289

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 289

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gctggagtg cagcttccc aagtagctgg gactgcaggt gtgtgccacc acgcctggcg 240
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caagagagag cttttacagc ctctttgcat actgaatggg aaagatccag tagagaggga 600
aaagatttat gatgggggag tcaggagaat tgctagagca acatgtgctc ctaatttcac 660
cccaaactcg ctcttctctga agtcctcccc aactcagtaa 700

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&lt;210&gt; 290

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 290

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aagtcctccc caactcagta aatggaaact ttattttcct ggctgctctt cctctcgtac 240
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&lt;210&gt; 291

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 291

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tataatccca gcactttggg aggctgagggc aggccaatca cttgagccca ggagttcagt 60
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aaggggtgtg aggacatgag taagatgaga gatagcaaaa 700

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<210> 292  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 292  
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 gatgattatg atgattaagc atggaattta agctggccaa gaaggggtgt gaggacatga 180  
 gtaagatgag agatagcaaa aacgtggaca tctttgcccag gtatggagcc aaacacagta 240  
 tgcattgtct catgtaatcc ccacccaaat ggaattgtta tcatccctct ttacagatga 300  
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 gacacaccca gcatcaggtc ctggaacact tgtctccaaa ggctatgtac ttagccctat 420  
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 ctgttgatga gaattcttta aaagtttata gtaaaatcta tttatcttca atttcctatt 600  
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 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 295  
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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 295

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gactgacacc	tcatacaggc	aggtgccccct	ctgggatgaa	gcttccagag	gaaggatcac	420
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&lt;210&gt; 296

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 296

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ctccaagaaa	tatgggacta	tgtgaaagac	caaatctacg	tttgattgggt	gtacctgaaa	660
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&lt;210&gt; 297

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 297

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atgtgaaaga	ccaaatctac	gtttgattgg	tgtacctgaa	aatgacaggg	agaatggaac	180
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&lt;210&gt; 298

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 298

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&lt;210&gt; 299

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 299

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catagttgga agtaaagcac tccttagcac atgtaaagga acagaaatca caacaaactg 420
tgtctcagac cacagtgcga tcaaattaga actcaggatt aagaaactca ctcaaaactg 480
cacaactgca tggaaactga acaatctgct cctgaatgac tactgggtaa ataacgaaat 540
gaaggcagaa ataaagacgt tctttgaaaa caatgagagc aaagacacaa cgtgccagaa 600
tctctggaac acacttaaag cacggtatat agggaaattt atagcactaa ataccacaaa 660
gagaaagcag gaaagatcaa aatcaacacc ctaacatcat 700

```

&lt;210&gt; 300

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 300

```

aacaatctgc tcttgaatga ctactgggta aataacgaaa tgaaggcaga aataaagacg 60
ttctttgaaa acaatgagag caaagacaca acgtgccaga atctctggaa cacacttaaa 120
gcacggtata tagggaaatt tatagcacta aataccacaa agagaaagca ggaaagatca 180
aatcaacac cctaacatca taattaaaag aactagagaa gcaagagcaa acaaattcaa 240
aagctagcag aaggcaagaa ataactaaga tcagagcaga actgaaagag atagagacac 300
aaaaacttca aaaaaatcaa cgaatccagg agctcgtttt ttgaaaagat caacaaaatt 360
gatagactgt tagcaagact aataaagaag aaaagagaga agaatacaat cgatgggtata 420
aaaagtgata aaggggatgt caccaccaat cccacagaaa tacaaactac catcagagaa 480
tactataaac acctctacac aaataaacta gaaaatctag aagaaatgga taaattcctg 540
gacacatata gcctcccaag actaaaccag gaagaagttg aatctctgat tagaccaata 600
acaggctctg aaattgaggc agtagttaat agcccaccaa ccaaaaacag tccaggacca 660
gacagattca cagccaaatt ctaccagagg tacagaggag 700

```

&lt;210&gt; 301

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 301

```

caaataaact agaaaatcta gaagaaatgg ataaattcct ggacacatac agcctcccaa 60

```

```

gactaaacca ggaagaagtt gaatctctga ttagaccaat aacaggctct gaaattgagg 120
cagtagttaa tagcccacca accaaaaaca gtccaggacc agacagattc acagccaaat 180
tctaccagag gtacagagga gctgggtacca ttctttctga aactattcct agcaatagaa 240
aagagggaat cctccctaata tcattttatg aggccagcat catcctgata ccaaagcctg 300
gcagagacac aacaaaaaaaa agagaggccg ggcgcggtgg ctcacgcctg taatcccagc 360
actttgggag gccgaggcgg gtggatcatg aggtcaggag atcgagacca tcttggttaa 420
caaggtgaaa ccccgctctc actaaaaata caaaaaaatt agccgggcgc ggtggcgggc 480
gcctgtagtc ccagctactc gggaggctga ggcaggagaa tggcgtgaac ccgggaagca 540
gagcttgtag tgagccgaga ttgcgccact gcagtcgcga gtccggcctg ggcgacagag 600
cgagactccg tctcaaaaaa aaaaaaaaaa agagaatttt ataccaatat ccctgatgaa 660
catcgatgca aaaatcctca ataaaatact ggcaaaccca 700

```

```

<210> 302
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 302
cgggaggctg aggcaggaga atggcgtgaa cccgggaagc agagcttgca gtgagccgag 60
attgcgccac tgcagtcgcg agtccggcct ggcgcagaca ggcagactcc gtctcaaaaa 120
aaaaaaaaaa aagagaatttt tataccaata tccctgatga acatcgatgc aaaaatcctc 180
aataaaatac tggcaaacgg aatccagtag cacatcaaaa agcttctcca ccacgatcaa 240
gtgggcttca tccctgggat gcaaggctgt ttcaacatat gcaaatcaat aaacataatc 300
catcacagaa acagaaccaa tgacaaaaac cgcttgatta tctcaataga tgcagaaaag 360
gccgtcgaca aaattcaaaa gcccttcatg ctaaaaactc tcaataaact aggtattgat 420
agaacgtttc tcaaaataat aagagctata tatgacaaac ccacagccaa tatcatgtgg 480
aatgggctaa agctgttgac ctgatagata tgggttcaag aggacacagc tgaatactgt 540
gcttaggaaa agaacagttt caaaggcttt ccagattgtc agatttgatg atatcctcct 600
tgggtgcacac ctctcttggc tatggggcac ataaaccacc tctaccaatc taactgggtt 660
gtgcagtttt tctgattttg tatctaccgg caaaatatat 700

```

```

<210> 303
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 303
cctgatagat atgggttcaa gaggacacag ctgaatactg tgcttaggaa aagaacagtt 60
tcaaaggctt tccagattgt cagatttgat gatatcctcc ttggtgcaca cctctcttgg 120
ctatggggca cataaaccac ctctaccaat ctaactgggt tgtgcagttt ttctgatttt 180
gtatctaccg gcaaaatata tcttaagcca tttttaggaa acaggagggt tagtcacgtg 240
ctcaacaaaa gcacaacaaa tggggagcat ttaatgggtg aagggtgtgt aggtgtagct 300
gctgaaactg tagctaggag ctgccttgct gccttcttgc aggcagattg gccagatgag 360
ccaggctaaa atacaattaa tatctaccat tgtggtttaa tatgaaatat ggatacctgg 420
tctttgtctc agttcttgtc atagagttcc ccaaaccctt agaacttcct gagtggtagg 480
aatatctcat tagtgataat gagccccttt gattcgataa ctctgagtt tatgctaatt 540
aggttactta atgtggggcc ctagatatcc ttaggatggg gctagttccc ggaaagacca 600
ggtcatttga ggattagagg gttggaactt ttagctctac ccactgatct ctgggtgggg 660
aaggtgctgg agatcaagct gcctaaaaac tcttgaacaa 700

```

```

<210> 304
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 304
tgagcccctt tgattcgata actcctgagt ttatgctaata gaggttactt aatgtggggc 60
cctagatatt cttaggatgg ggctagttcc cggaagagacc aggtcatttg aggattagag 120
ggttggaact tttagctcta ccactgatc tctgggtggg gaaggtgctg gagatcaagc 180

```



tgcctaaaaa	ctcttgaaca	acaagatttg	aggagcttcc	agtaaattg	tccacaagct	240
gggagggcac	tgcacccag	tttacttggg	acagaagctc	ttgcacttgg	aatctttcca	300
gacctagccc	ttcatgtgc	ttcatctggc	tgttcatctg	tatcctttat	aataaattgg	360
caaattgtaaa	ggtttagctg	aatttggtga	gcctttctag	aaaattaatt	gaacctaaaga	420
aggggtctgt	ggaaaccctg	gtttgtagtt	ggtaggtcag	aggtgcgtgt	ggcttggatg	480
ttcgaatggc	atctgaagag	ggacagagca	cacaacctgt	gggatctgac	actatctccc	540
cgcagatagg	gtcagagctt	aattctatta	gagaacaccc	cattgggtatc	tgctggagaa	600
ttacttgggtg	tatgagaagc	ccccaccac	atctgggtcac	agaagtattg	tgggttgagt	660
gtgacagtac	agggtaaaaa	gtgggtttgtt	tttctctcta			700

&lt;210&gt; 305

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 305

gggacagagc	acacaacctg	tgggatctga	cactatctcc	ccgcagatag	ggtcagagct	60
taattctatt	agagaacacc	ccattgggtat	ctgctggaga	attacttggg	gtatgagaag	120
ccccccacca	catctgggtca	cagaagtatt	gtgggttgag	tgtgacagta	cagggtaaaa	180
agtgggtttgt	tttttctctt	aacagtgatc	actccctctc	aaaggagtgt	ggaaggtttt	240
ctggatagga	atactgcata	taatcatttg	gttcacttca	gaaactacta	taattttgac	300
tgtgctggtt	cacttccaca	tgtacaaaca	cacacacata	cacacacatt	gttgtcacct	360
aataatttgcg	ttaatacaat	gatgttattt	ttatttggat	agtatttcta	tgattggaaa	420
tgagtgttaa	tcttttatatg	tattttacca	gtccttgact	aacatgtttt	caagacatct	480
taccaatcca	tttcattgaa	ttaatgagta	aggagactct	ctagaaatgg	ttggtttcta	540
aagcaaggac	attatctgga	agaatcatcc	agagtttact	gtatgacgag	catttcttga	600
tagcaagggt	cattttgggtg	tcaatcggtt	cagtcagtcc	atttcagtgg	gaacaacgaa	660
tttctccaca	gggtcttatt	tttctgtttt	tcacttcacc			700

&lt;210&gt; 306

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 306

attaatgagt	aaggagactc	tctagaaatg	gttgggtttgt	aaagcaagga	cattatctgg	60
aagaatcatc	cagagtttac	tgtatgacga	gcatttcttg	atagcaaggt	tcattttggg	120
gtcaatcggt	acagtcagtc	catttccagt	ggaacaacga	atttctccac	aggggtcttat	180
ttttctgttt	ttcacttcac	caaattgggt	agatatcttt	tcagaatgca	gttattagaa	240
ccttgggatt	ttcttctgtc	tccattgagt	ctcttgtttt	tttcccagat	ctgaacctga	300
aaataaaata	gatgctaagg	aaaattaaat	attcaagact	ttcctcctca	aaatgctcca	360
tccaaattga	cattgaaaaa	tatttctcca	atcaatgaac	aagtaactat	ttgaactcta	420
atgagaacct	catgggtgtg	atctaataat	ttatgctttt	aaacatctga	ggctactttc	480
ttaattaagc	atagaagcca	gaatttaaac	tctttcacag	ttttcccaag	caaaggatag	540
agagggaggc	atgaaattct	tggcaattaa	agttgatact	gaagtagttc	tatcattaga	600
agaaaacaac	ttatcaacaa	tgggcacttt	ttgctataaa	tgttctgtca	gggatcagaa	660
ttaattcata	tgcagagtta	cctttatcaa	ggccaggcac			700

&lt;210&gt; 307

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 307

agaattttaa	ctctttcaca	gttttcccaa	gcaaaggata	gagagggagg	catgaaattc	60
ttggcaatta	aagttgatac	tgaagtgtt	ctatcattag	aagaaaacaa	cttatcaaca	120
atgggcactt	tttgctataa	atgttctgtc	agggatcaga	attaattcat	atgcagagtt	180
acctttatca	aggccaggca	ctgggaacac	tttatctttt	ataacctcaa	aatagccgta	240
tgaatatatcc	catatagcag	atgggaatac	tgaagcttag	tgaatattaa	gtgatatgcc	300

```

caaatttttg cagtagattt gggattttaa gccaggcagt gttactcgaa actctaaact 360
tctcctaaat accactaatc ttttaaattg ttgctgtggg gtcataaaaa gatactgggtc 420
tttgtccctg gctcctaaca tagagatcct aaatctctta taatttctgg agtgataggg 480
agtgataaaa gcttcttttg ttctaattgag gcaacccttg gctgggccct tagatagctt 540
caggggtggg gctgggtcacc agaagactaa gcctggatta gaagcctgga acctctgggg 600
agaggagaga ggctggggat agacttaata atccatcatg ccaacatgac taaacctcca 660
tgaaaacctc taaatgatgg gggttgaggaga acttccgagt

```

<210> 308

<211> 700

<212> DNA

<213> Homo sapiens

<400> 308

```

gttctaataa ggcaaccctt ggctggggccc ttagatagct tcaggggtggg ggctgggtcac 60
cagaagacta agcctggatt agaagcctgg aacctctggg gagaggagag aggctgggga 120
tagacttaat aatccatcat gccaacatga ctaaacctcc atgaaaacct ctaaattgatg 180
gggtttggag aacttccgag ttggtgacca catccacatg ccaggagggc agtgcacctt 240
aactccgtag ggacagaacc tctgcactca ggacccttcc agacctctct gtatgtacct 300
cttcatctgg ctgttcattt gtatcctttg taagaaaccg ctagtggcca gtgttctgag 360
tgctgtgagt cattctagca aataatcaaa cccaaggagg ggatttgttg gaaccccaga 420
cttggttagc aagtcagaga gaaatgtggg taacctgggg acctgacatt tgtgagtggc 480
aagtgaagca aggcagtatt gtgggactga gtctttacac ctgtggagtc tgatgctaaa 540
tttaggtatt gtcaaaattg aactgcatta taggacactc aataggtgtc agaattgggt 600
tgcgtaaga agaaaaaccc ttgcgcaatc tcataagcca aaaaaagatg ttgaattggt 660
ttatttttgc atttccttat taatgtggac aaataacttt

```

<210> 309

<211> 700

<212> DNA

<213> Homo sapiens

<400> 309

```

tgtgggactg agtctttaca cctgtggagt ctgatgctaa atttaggtat tgtcaaaatt 60
gaactgcatt ataggacact caataggtgt cagaattggg ttgcgtcaag aagaaaaacc 120
cttgcgcaat ctcataagcc aaaaaaagat gttgaattgt tttatttttg catttcctta 180
ttaatgtgga caaataactt ttttcatgta tatattggac actgaagtga cttcttctgt 240
aaactgtctg ttcttgtcct ttgctgggtt tcctactgaa ttgtttgtct ttttctcact 300
ggttactatg agctttttgt atattaagta tattagcctt atgttttaggt tttgtgtagc 360
aaatattttc tcttggttta ttgacttttg tctttgtggg tggtttcttt ttgccttgcc 420
aataatttaa aaaatgtaca atcagatata tcaatctgtt ctttatgggt tctttgattt 480
tatgttatgc tcagtaagat cttctctaag gttataaaaa tgtttgtttc ctctgggtat 540
atztatgatt ttacattttt aggcctaaat tttttaactg tctggatttt atcttgatgt 600
gttttttttt tggagacgga gtctcgctct gtcacgcaga ctggagtgtg gtggcgcgat 660
ttcggtcac tgcaacatcc accaccctgg ttcaagcgat

```

<210> 310

<211> 700

<212> DNA

<213> Homo sapiens

<400> 310

```

tcttctctaa ggttataaaa atgtttgttt cctcctggta tatttatgat tttacatttt 60
taggcctaaa ttttttaact gtctggattt tatcttgatg tgtttttttt ttggagacgg 120
agtctcgctc tgtcacgcag actggagtgt agtggcgga tttcggtcca ctgcaacatc 180
caccaccctg gttcaagcga ttctcctgcc tcagcctccc gcgagctggg attacagggg 240
tgcgccacca tgctgggcta atttttgtat ttttagtaga gatgggggtt caccatgttg 300
gacagactgt tctcgaactc ctgacctcaa gcaatctgcc tgccatcaat tccctaagtg 360
ctgggattac aggtgtgagc caccatgccc agccaatgca ttttttaaag agacaacttt 420

```

```

ttaattttatt caaaaatgtct agctgaatgt tctaatacct tttactgaat aactattccc 480
ccttgactttt gctactttttt attacatact gaatttttat attttcttgg gttttatcct 540
gaactctatc ctattccatt ggtttctatt cctataccat tatcacattg ttttaattac 600
tattgctcaa caatatgctt tattactatt attattattt ttgagacaga gtctagctct 660
gttgcccagt ctggagtgcg gtggcatgat gttggctcac 700

```

<210> 311

<211> 628

<212> DNA

<213> Homo sapiens

<400> 311

```

tattacatac tgaattttta tattttcttg ggttttatcc tgaactctat cctattccat 60
tggtttctat tcctatacca ttatcacatt gttttaatta ctattgctca acaatatgct 120
ttattactat tattattatt tttgagacag agtctagctc tgttgcccag tctggagtgc 180
ggtagcatga tgttggtcct ctgcaacctc cacctcccgg gttcaagcaa ttctcctacc 240
tcagcctcct gagtagctgg gactacaggt gtgtgccacc atgccagct aatttttgta 300
tttttagtag agacaggggt tcaccatggt ggccaggatg gtctcgatct cttgacctca 360
tgatccgctt gcctcagcct cccaaagtgt tgggattaca ggcatgtgcc accgcgcctg 420
gcctattatt tatattttt ttttgagacg gagttttgct cttgttgccc aggctggagt 480
gcagtgggtg gatctcagct cactgcaacc tctgcctcct gggccaagca gttctcctgc 540
ctcagcctcc tgagtagctg ggattacatg tgactgccac cacaccagc taattttttg 600
tatttttagt aaagatgagg tttcacta 628

```

<210> 312

<211> 700

<212> DNA

<213> Homo sapiens

<400> 312

```

ggctctgact aaagaatatg acagatcaga tattectctc cacctgctcc cctcccccat 60
cccttttttag agggctgggg aaattttagt ttttaataca aggcctttatt tctccagttg 120
tgcaaaggaa tttaactggg actttacaac tgaataaagt atttctcaga gtcgatacta 180
atcttagcaa gaggatattg cctaaccocaa cctaaaagca gcagagtcac tacagaaata 240
ttatgtttggc cttgatattct accccaccat gagttatgct actcaccagg tagcctgttt 300
tggtttttcat ttttagagac aggtgtctac tctgtcacc aggttgaggat gcagtgtcac 360
aatcatagct tactatgacc tcaaactcct aggtcctaat gatccacctc agcctcccaa 420
gtagctggga ccacaggtgt ctgccactac acttggtctaa ttttttaatt tttgtagag 480
ataggagctt gctaagttgc ccaggttggg ttggaaactcc tggcttcaag cagtcctccc 540
gccttgggct cccaaagtgc tgaggttaca ggcgtgagcc actgtgccc gcatgtgccc 600
tgttttaagt gtatctcctg ctgtagtccg ttacatgtgc acatctcttc tgtgtttact 660
gtgtacctgc tctatgctga gaagaatgtc ttttcaaac 700

```

<210> 313

<211> 700

<212> DNA

<213> Homo sapiens

<400> 313

```

cccagggttg tttggaactc ctggcttcaa gcagtcctcc cgccttgggc tcccaaagtg 60
ctgagggttac aggcgtgagc cactgtgccc agcatgtgcc ctgttttaag tgtatctcct 120
gctgtagtcc gttacatgtg cacatctctt ctgtgtttac tgtgtacctg ctctatgctg 180
agaagaatgt cttttcaaaa ctacacctc cccttaggag agagagggtg ccacatgaat 240
ggagaatgac tgcatagcac gctgagggct gtggtaaaag aggctgaatg gtgagctgcc 300
aggtagcgca tccttctctg gcagctgaca gtgtgcctga cacatgtctg cctgaccaa 360
ggggcagaag aggccttctca ggggaagttc tgtttgaggt cttcagcagt tcaacagctg 420
gggaaaggta ttccaggagc gactgagttt ggatgccatg tgcgttggtg gtgtgcttga 480
agtagagcaa acgggggtgga ggcaaatgag cctgaaaagg aaagagatgg gacaggatcc 540
tactgtggaa gagttttctg taagcagtgga gaagccacag aaggatttta agtgggcat 600

```

```

tcacattgtg ttttattttg agacagggtc tctactgtcac ccaggctgga gtacagtggc 660
atgatcaagg ctcactgaag cctcaacctc ccaggctaaa                                700

```

```

<210> 314
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 314
aggcaaatga gcctgaaaag gaaagagatg ggacaggatc ctactgtgga agagttttct 60
gtaagcagtg ggaagccaca gaaggatttt aagtgggccca ttcacattgt gttttatttt 120
gagacagggg ctcactgtca cccaggctgg agtacagtgg catgatcaag gctcactgaa 180
gcctcaacct cccaggctaa agcaatcctc ctgcttcaac ctcccaatta gctgagagca 240
cagctgtgta aaaattttaat tttttttttt tttgtagaga caggatgttg gccaggctgg 300
tctcgaactt ttgggttcaa gcgaagctcc catctcagtc tcccaaagtg ccgggattac 360
aggcgtgagc cactgcacct ggctattttg tgttttagaa aaacaactgc tgggccgggt 420
gtgggtggctc acccctgtaa tcccagcact ttgggaggtt gaggcaggtg gatcacgagg 480
tcaagagatt gagaccatcc tggccaacat ggtgaaaccc cgtctctact aaaaatacaa 540
aaaaatttac ctgggcgtgg ttgcatgcac ctgtagtccc agctacttgg gaggctgagg 600
caggagaatc acttgaatcc cgggggcgga gattgcaggg agccgagatc gcaccactgc 660
actccagcct agtgacagag tgaaattctg tctcagaaaa                                700

```

```

<210> 315
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 315
ctggccaaca tggtgaaacc ccgtctctac taaaaataca aaaaaattta cctgggcgtg 60
gtggcatgca cctgtagtcc cagctacttg ggaggctgag gcaggagaat cacttgaatc 120
ccgggggccc agattgcagg gagccgagat cgcaccactg cactccagcc tagtgacaga 180
gtgaaattct gtctcagaaa aacaaaacaa aacaaaaaga aacaactgct ggagagtttg 240
tgaaggatta gagggagcaa gacgggatgc tggttgggat ggtggttggg agagcagatg 300
ctatacacac ctgtgtcccc gaggtggaat gggtcacag ccagaggagt aaccgcctc 360
tcttctcagc tgttttgctt gcactcgtga ttggtataaa ctgagggagc aaatgtgtgt 420
cctcttattc acgttgccct gtaagtacct atcagaaact agaaggaaca gacagcttag 540
acatattttc gtttggtgta actctggcta caggatggat tagaagatag ccactttagg 600
agacttaaag ttggactagg aagaagttga caggatggat tagaagatag ccactttagg 600
ctgggtacag tggctcatgc ctgtaatccc agcactttgg gaggccgagg tgggtggatc 660
acctgaggtc aggagttcaa gaccagcctg gccaacacag                                700

```

```

<210> 316
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 316
aactctggct aatcagaaac tagaaggaac agacagctta gagacttaaa gttggactag 60
gaagaagttg acaggatgga ttagaagata gccactttag gctgggtaca gtggctcatg 120
cctgtaatcc cagcactttg ggaggccgag gtgggtggat cacctgaggt caggagttca 180
agaccagcct ggccaacaca gtgaaacccc atctctacta ataatacaaa aaaatgaggc 240
agggtgtgtg gcaggcacct gtaatccag ctactcagga ggctgaggca ggagaatngc 300
ttgaanctgg gaggtggagg ttgcagttag ccaagatcnn gccantgcac tcnagcctgg 360
gngncagagc gagantctgt ntnannaaaa aaaaaaaaaa aaaaaaaaaa annncaacac 420

```

```

tttagagagc caaggagagg gtgtctgggt acttagggca aaagcccagt tgaggaaacg 480
ctgggcgtga cagctaactg gggatttttag tactccacct ggggaatggaa ctcaaacttg 540
agctaataaa ttgaatctag aaatcagccc caaggetaga gaaagtgcct gccttgctcc 600
tagtggaagc tactagaaac tgagaagcca accctgtgtg tcataggcca ggctgtgcct 660
agctccataa ggaagctctg cgttgtgtc agccttgaga 700

```

<210> 317

<211> 700

<212> DNA

<213> Homo sapiens

<400> 317

```

ggggatttta gtactccacc tgggaatgga actcaaactt gagctaataa attgaatcta 60
gaaatcagcc ccaaggctag agaaagtgcc tgccctgtct ctagtggaag ctactagaaa 120
ctgagaagcc aaccctgtgt gtcataggcc aggetgtgcc tagctccata aggaagctct 180
gcgttgtgtc tagccttgag attcccatcc ttagataatg tgggcaccct gagattatgt 240
gaaggagggc agagaaaaac caagagcagg gtcaatgaca tggacagcaa caagcagagc 300
ccccttgcca tttgtaacag aggtgaccct ttgtaactgt agcccaacaa tgtttccata 360
aaagacagcc atagatttga gccaaatcat tttttgattc atttttccaa taaataatta 420
ttaccccta gatgccagt acagatagtt tattcattgg caaaagggtg aggtatgata 480
gccaggaggg aaagggttcag acttactgtc aatgtcatat tccacacaca gacaaaaggc 540
atgtcccatg aagcaggcac gggctgtggc tgagtttgct acataaatgt gctcagatga 600
caagcatctt aactttcact taatcctgaa ggtttttcac cctctgtttt ttgttttgtt 660
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<210> 318

<211> 700

<212> DNA

<213> Homo sapiens

<400> 318

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gacttactgt caatgtcata ttccacacac agacaaaagg catgtcccat gaagcaggca 60
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ttaatcctga aggtttttca cctctgtttt tttgttttgt tttttttttt ttgagacaga 180
atctcgtctc gccgcccagg ctggagtgca atggcacgat cttggctcac tgcaacctcc 240
acctcccagg ttcaagcgat tctcctgcct cagcctcccg agtagctgga ttacacgtgt 300
gcactagcat cccagctaa tttttgtatt tttagtagag acggggtttc gccatgttgg 360
ccaggctggc cttgaactcc tgacctaaagg tgatccgcct gcttcagtct cccaaagtgc 420
tggaattaca ggcgtgagcc actgcgcccg gcctcaccca ctgtttttat aagtatcccc 480
ctcaatttgt gttctcattg tcttcggaaa ttcaaaggct tgttgttgtt gcatgtttgc 540
atccagagtc caggactgcc tgactgggag taaatggaaa tgtgagttgc atcttgcta 600
atgaagctta tgtgatgaca gacctgctta gagtctgcat gtgtcctttc catggcgtgc 660
tctaaatctt cctactttcc tttaccatcc tgtcctcata 700

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<210> 319

<211> 700

<212> DNA

<213> Homo sapiens

<400> 319

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gtcttcggaa attcaaaggc ttgttgttgt tgcattgttg catccagagt ccaggactgc 60
ctgactggga gtaaatggaa atgtgagttg catcttgccat aatgaagctt atgtgatgac 120
agacctgctt agagtctgca tgtgtccttt ccatggcgtg ctctaaatct tctactttc 180
ctttaccatc ctgtcctcat atacaaaactg taaccacta cccatatact gtggcagact 240
acaactcaca ttagccattg aatgcaaattg agcctcaatc aaagaagaaa ggaaattaaa 300
atttacagta tgtgtcttct ccggttggcc tgaggagcct ccatgactct catagctatt 360
tattgccctt ggcattgctg tatttttatgt gggcaggggtg aaactggctg tggtcagggt 420
gagacttgaa gcttttgatt tgttccctta ttttgaaagg gttaaaaaga tgttacatgt 480
tttggtgtaa ttttagtact catattaatt ttgtcacatc tctgtaagcg aggatgaaaa 540

```

```

gagagtgtct aatcactgtt actagatcca tattctttaca gagaacaagt cttcaaaagg 600
caagttttga tgacacttgg gtttttttcc cctttttaat ttctttttaa taacagcttt 660
attgagatag aattcaccta ctacgaaatt tatcctttta 700

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<210> 320

<211> 700

<212> DNA

<213> Homo sapiens

<400> 320

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tcatattaat tttgtcacat ctctgtaagc gaggatgaaa agagagtgtc caatcactgt 60
tactagatcc atattctttac agagaacaag tcttcaaaag gcaagttttg atgacacttg 120
ggtttttttc cccctttttaa tttctttttaa ataacagctt tattgagata gaattcacct 180
actacgaaat ttatcctttt aaagtgtacg agtcagtgtc ttttagtatg ttcatagaat 240
tgtgcaacca tcaccattat ctaatatccg aacattttca tcaccctga aagaaacccc 300
acccccatt atcagtcact ccccatgcct ccacacccgc ctcccaccca cagcctgtag 360
caatcaatat tctatttttg cctctgtgga ttctcctgtt ctgaataatt catatcagta 420
gaatcatacc atatgtgggc ttctgcattt ggcttctttc ccgtcacata ctgtttccaa 480
ggttcatccg ggttgtggcc tctgtcagta cttcatttct ttttattgac aaataatatg 540
ccattgttatg gatatgccac tttttgttta tccatcagtt gattgacatt ttggttgctt 600
ctactttttt ttttttttct ttgagacagg gtcttattct gtcgctcagg ctggagtaca 660
gcagcgcagt catagctcat tgtagcctca acctcccagg 700

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<210> 321

<211> 700

<212> DNA

<213> Homo sapiens

<400> 321

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ctctgtcagt acttcatttc tttttattga caaataatat gccattgtat ggatatgcc 60
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tttgagacag ggtcttattc tgtcgtcag gctggagtac agcagcgcag tcatagctca 180
ttgtagcctc aacctccag gcttgagcca tcctcccacc tcagcctctc cagtagctgg 240
gactacaggc atgtgccacc atgctcagct agttttttgt agagacaggg ttttgccttg 300
ttgccagggc tggctttgaa ctctggcct caagtgatec tctgacctcg gcctcccaa 360
gtgctgggat tacaggtgtg aaccactgct ccagccact tctacttttt tgctattatg 420
aataatggtg ctatgaacat ttgtgtagag gtttttgtgt ggacatgtgt tcctagttec 480
cttggtgata tacctaggat tgggaattgct ggatcgtaaa ctattttatc cttttgagga 540
actgccaat gttttccaaa gtgactacac catttttcaa tcaactccagc aatgtaggag 600
ggttccaat tttctacatc ttcaccaaca gttattgtct tttaaatgtt atttctttta 660
tgaaaaaact tcatttatgc acataacaca cacacacaca 700

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<210> 322

<211> 700

<212> DNA

<213> Homo sapiens

<400> 322

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ttggaattgc tggatcgtaa actattttat ctttttgagg aactgccaat tgttttccaa 60
agtgactaca ccatttttca atcactccag caatgtagga gggttccaat ttttctacat 120
cttcaccaac agttattgtc ttttaaatgt tatttcttta atgaaaaaac ttcattttatg 180
cacataaac acacacacac acacacacac acacacacac acacacacac acacacacac 240
acacacacac acacacacac acacacagac ttataatgga aagccgaaag tctccagccc 300
tgtttcaccc ctcttagtc caagtcccat tcccagcaaa ccattttcca tttttatttt 360
tagtttttcc agtgactatc attataattc caaagattgc ttgattcatt attttttctt 420
ctctttttat tatgaaaact ttcaattatg tataaaagga gaatagtata accaaccccc 480
tgtacacatc cccagctgca acaactgtca acccatgacc acttttacc actgtttttt 540
gctttatcag tgtagatgt catacattga tttccctatt gaagaaagag aatttaccta 600
attctatcac ttccaaattt ttatagtaaa ttatttttag ttcttctatt acctttgtga 660

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ttttgataaa tccctaaacc ttgtgttctt gttccatcca

700

<210> 323

<211> 700

<212> DNA

<213> Homo sapiens

<400> 323

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aacaactgtc aacccatgac cacttttacc cactgttttt tgctttatca gtgttagatg 60
tcatacatgt atttccctat tgaagaaaga gaatttacct aattctatca cttccaaatt 120
tttatagtaa attattttta gttcttctat tacctttgtg attttgataa atccctaaac 180
cttgtgttct tgttccatcc actgtgcaca gtgttattta actgccctct tgtccatgca 240
agctggagat agcaatgcc acctctcttt tcttctgctt tcacctccca gccatttcca 300
gctatagctc ttatatattt cagtggatag caatttatag tctgttctcc aaccatcatc 360
aagtcttctg tgctttgtct attggttggg tctaagactt gagaatcaag agaatttaca 420
ttattatgac tttaaatata gttcactgta gagccatatg gtgtactgag gattacttct 480
tttttctgta gactcagtat aacaatcctt gtgccaatgg gggaagaacg ttttagacat 540
ccagttgata ccttttctgt tcagaaatat atggtaatcc atagcactct tggacccaag 600
gtgtcttatt tacatcttgt atggccttgt gttctttaat tatcttgtgt gttatgtccc 660
taactcgaga gggaacccct cgagggggaa gtggtctttc 700

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<210> 324

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 324

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ttcagaaata tatggtaatc catagcactc ttggacccaa ggtgtcttat ttacatcttg 120
tatggccttg tgttctttta ttatcttctg tgttatgtcc ctaactcgag aggggaacccc 180
tcgaggggga agtgggtctt cctgttttgc tcccatagca tttatagtct cttggtaaac 240
taaattgatt tccctaaaag ttgcaaacca taatttcatt tgtcaagtaa acatagccaa 300
tacattaaat gccattgctg ttagattcta tatatacttt attttatgat gagttataaa 360
tatataaata cttaaannat aaagctatca aaaactcata aattaaaata ttcagctcga 420
acactttgaa tatttctctc tcatgatcgt ctttagcctt tccaagaagt tttccaacgt 480
actctggttg gcttccttca caggacagga attctgcaaa anaaacattt cattagcttg 540
cattggtaag catttgtctt gcctgcctgt ctacttgatc aagcctactg tggcacttgt 600
cacctgaaca cttataaaac caaggcctcc agtctagcct gactgggagt tgtctctatc 660
actaggccag caggttttgc ctattttggg tgcatactac 700

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<210> 325

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 325

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acaggacagg aattctgcaa aanaaacatt tcattagctt gcattggtaa gcatttgtct 60
tgcttgcttg tctacttgat caagcctact gtggcacttg tcacctgaac acttataaaa 120
ccaaggcctc cagtctagcc tgactgggag ttgtctctat cactaggcca gcaggttttg 180

```

```

cctatTTTTgG gtgcatacta cttacacttc tagaaatggT tactgtatac cattacctat 240
ctgctTTTTgG ggtggggtggc gcgggggggga gtgcagtctc tggagagggtg tgtcacagct 300
aggTgcttgc tcagagggtg gaacttgaag atgctggctc agacctgccg ggtgctctac 360
tgggccttct gcatgactgc ctggactgct gagagagatt cagtcagtgt gccctcctgt 420
gccattaaac agcagcaccg cagcacagca gccctaaagg tgggaaggat tccagatgct 480
acccccaggc cactgcttca gtttgaatct cagctctacc atttattaat tgtattgctt 540
aggatgtact acttaattta taaaagcttc agtttctttt gtaaagttgg gacaattgtt 600
tgctacttg cctgcttcat aagataatgg agagaattaa aagagagaac atgtgttggt 660
ccaagttcct atcccatgac ctatcccat gtctacaagg 700

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<210> 326  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 326
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ataaaagctt cagtttcttt tgtaaagttg ggacaattgt ttgcctactt gctgcttca 120
taagataatg gagagaatta aaagagagaa catgtgttgt gccaaagttcc tatcccatga 180
cctatcccat tgtctacaag gtgataggcc cagagagggg atacatgtcc ttgttctcct 240
ctaaagccaa ttaattcctc cactcgatat tagataacat ccactctggg ctacaaggac 300
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ccattcccc aggtgcatta acatgctggg tataccccc accttaaaag agcttccctc 420
actccataac caccctgcag ctgtgggtca gtttctctgc agccttatag ctaaacatct 480
tcaaagagtg ttctgccctc actgttccct ctttgtctcc tctcgccacc ctatcctcgg 540
tgagcccaact ccagctgggc tttccttccct gcctctccat ttacatcagc ctaccccatg 600
gcctccatca gccaaaccca ggggcctttc ttggtcctca cctgacctgt cctttcagta 660
catttgacac agtcaaccct cctccttga gtgtcctcaa 700

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<210> 327  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 327
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ctttccttcc tgcctctcca ttacatcag cctcacccat ggctccatc agccaaaccc 120
aggggccttt cttggctctc acctgacctg tcctttcagt acatttgaca cagtcaaccc 180
tcctccttg agtgtctca acggcttctt ggggtaccgc ccactctcca gtgttctcct 240
gcctcactgg tcaactctcc tcaggccctt tggctggatc ctctctcct gacctccatg 300
tgttgatctc aggtcagtc ctttgatctc tcctttctg tcattcagat tttcagcagt 360
atctatctaa ggactctcct ttttgattg caagtctga cctctccct aagttccaga 420
cttttctaac catcttctca acaccttcac ttggctatcc aagagccacc ttacatgtac 480
gatgtacaaa attgaactct tgatctctg ctgaacctcc agccctgcct tgccgccagt 540
ctttcatctc tctgtaaaca gtactgacca tcgccagagg ggtttgggca ggaacaaaga 600
ggtcatcttt tcctccctg tatcttacc cctacaaccg atctgtcagc aaatccttct 660
ggttttattt ttagtcatat cccaaatctg ttcacctcaa 700

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<210> 328  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 328
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gtatcttacc cctacaacc gatctgtcag caaatccttc tggttttatt tttagtcata 180
tcccaaactc gttcacctca actgtcccca ttctgtccac gccaccatca tctctagcct 240
ggtttactgt gtagcctcc caacaggcca tcttgcttca ttctgtccac gccaccatcg 300

```



```

tctctagcct ggtttactgt ggtagcctcc caacaggcca tcttgcttca ttctgtccac 360
gccaccatca tctctagcct ggtttactgt ggtagcctcc caacaggcca tcttgcttct 420
atgctttccc cctttcagcc tatttaccac acagtagcca gactgaccct tttaaatcac 480
gtaaatcaga ttgtacagtc tttgtcctgc ccaaagctct gcaggtgttc cctgccatac 540
tcgtggtgga atctaaaggc cttgtgtgat ctgctgtcct ggaaactacc cctcactcac 600
tctgatccag ccacactggc cttcctactg gtcttttaaat acaggaagtt agttcatttc 660
catcctaagg cctttgcata cctcctcctt ctgcctggaa 700

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<210> 329

<211> 700

<212> DNA

<213> Homo sapiens

<400> 329

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ctttgtcctg cccaaagctc tgcaggtgtt ccctgccata ctctggtggtg aatctaaagg 60
ccttggtgta tctgctgtcc tggaaactac ccctcactca ctctgatcca gccacactgg 120
ccttcctact ggtcttttaa tacaggaagt tagttcattt ccatacctaag gcctttgcat 180
acctcctcct tctgcctgga atggtctccc tagttagtca tgtggcctgc tccctcaatt 240
caaatactcg ctacagataat gtcaccagct cctaagtcag cccctcctccc catgactctt 300
atgttccttta tttctatggt tttctttgta gcacgtatca ctgctggcca tcattttaca 360
tgtttggttt tctaaactct ccattagaac attccatgag aacagggact cggcctgcgt 420
gtcttttagtg acacgtcctc agcacctaga accacaccca gcacttggtg aacttcagca 480
aatacttatt gaatgagtga atgaatgaat gggttgacca aggggtgctgc agctcccaag 540
gagtgttttag aagtgaggct gctgtccacc aggagccacg cggccggctt gccaggaata 600
cagtgcagct taccaagccc gccaggcccc agagggtcct gtcgagccgt ttcaggaatc 660
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<210> 330

<211> 700

<212> DNA

<213> Homo sapiens

<400> 330

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tgctgtccac caggagccac gcggccggct tgccaggaat acagtgcagc ttaccaagcc 120
cgccaggccc cagaggttcc tgtcgagccg tttcaggaat cggatcagct gcttgtgcct 180
gtggaactgc tgtgcagtcg caccagga cgcagtgctc ttctcatggt ggctgtagaa 240
ctgccggagc acagtgcag cctgcagaa ggtttccttc tcagttgtgt tctggaaaga 300
caaatgccac agatagcaat gtgccagctc catttgagg atgggagaga gatttttctt 360
cttgatttct tctttccagg aggacaaatg gaggtgagtt tgctcaacta cagacctgtc 420
ttcaagtatt ccaactgaagg aaggctgctt gccacagaca taaacctctg tcaacaacct 480
ctcccaattg caaacgcagc agccttctcc ccagaacctc ccagtttctt ttctcttgga 540
ggattttgcc gaaagggtac ctgaataaag tcatcccatg aggaaaaggc acagtgggga 600
ctagaatgca ggaccatctg tcgctacagc ccacgttctg cgtccgtgtc tctataacct 660
atgagctatt ctgctatgaa aagtgccac atgagctctc 700

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<210> 331

<211> 700

<212> DNA

<213> Homo sapiens

<400> 331

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cagccttctc cccagaacct cccagtttcc tttctcttgg aggattttgc cgaaagggta 60
cctgaataaaa gtcatcccat gaggaaaagg cacagtgggg actagaatgc aggaccatct 120
gtcgctacag cccacgttct gcgtccgtgt ctctatacct catgagctat tctgctatga 180
aaagtgccca catgagctct cagtcagggt ctgctcttgt tcccagaggt tttaaaatcc 240
agctttccct ggaaatcctg catgcctgtt gaataaatga gtgcacatcc tttggcctga 300
actctgtgc tttggccagc actctccgtg tggtctccc catgggagag gagagcagca 360
catggcccaa gtgaggagct aagacatttt gccaggcagc aagagataag tgcacagatc 420

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agggaaaggt gtcctgggag atcagaggag gctctgggag caggtgccat tgatctgagc 480
cttgggcaga gcttctgtaa ggggcctttt ggccccaat gatgcggagt gagaatctcc 540
ttggaatgcc agcaactgtg agggctctggc cacatggctc ttcctggggg cccttagcct 600
tagagaaggg aatggacaag agacaagtca ttgggaaccc aggagaggga ttgtgtctca 660
gtctgaacct ggcctgggtg gtcctctcat ttttactga 700

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<210> 332

<211> 700

<212> DNA

<213> Homo sapiens

<400> 332

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gagacaagtc attgggaacc caggagaggg atttgtctc agtctgaacc tggcctgggtg 180
tgtcctctca tttttcactg aagaacaaag atgcagaacc tggagagggt tcttagcttg 240
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gctctgggtc cttgatactc aaagtgtggt ccatggacca gcagcatgga catcactggg 360
agcttcttag aaatacagaa tctcagacca cccctgcccc acccagaccc tctgaatcag 420
aagaacagtg acaagatgct caggggtttc tatcagcagc gctgtccaag cagctttcaa 480
gttctttacat attttttttt ctgatgatca agataacata tatttactat aaaggtaaca 540
tatattcaac aaaaatacac tcaactcatc caccagccag aggtaactat tgctgttaat 600
attttggtaa atatcgtcac acttttaaaa atacttttta aaataggggt caactgttga 660
tactgttttg taacttcttt actctttaca tataccataa 700

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<210> 333

<211> 700

<212> DNA

<213> Homo sapiens

<400> 333

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tctgatgatc aagataacat atatttacta taaaggtaac atatatcaa caaaaataca 60
ttcactcatc ccaccagcca gaggtaacta ttgctgttaa tattttggta aatatcgtca 120
cactttttaa aatacttttt aaaatagggg tcaactgttg atactgtttt gtaacttctt 180
tactctttac atataccata agcatttcct aagcccttcg gtgggtattag agaacatggg 240
attgagagct gcgtagaaac gcattgcaca gtgggtactgt catttgctcag gccctatcgt 300
tggcagattt ttgcttctgt aaataagcgg cagttagtaa actatagaaa tctttgtgtt 360
catctcttat ttatgtaggc taaattctag gaatgcagtt catattttta cgttttttca 420
ggaaagtcta gaccagact gaggcaccag aatcccaggc tacagaagct tcccccttcc 480
cctgtggggc gtgatgtccc atgggcagag cggtagaaa gacatttact taatgaactg 540
actgagagtc actcctcgtt cctgattcta gttggaaatg taagagtgtg tcagtatctt 600
tgggctctgg gggccaagaa acagacctct ctgggctttg taggcgagtc gaggtggaag 660
ggacacgggc tgatgggggg cggcagatgg tgctgtgtg 700

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<210> 334

<211> 700

<212> DNA

<213> Homo sapiens

<400> 334

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catgggcaga gcggttagaa agacatttac ttaatgaact gactgagagt cactcctcgt 60
tctgattct agttggaaat gtaagagtgt gtcagtatct ttgggctctg ggggccaaga 120
aacagacctc tctgggcttt gtaggcaggt cgagggtgaa gggacacggg ctgatggggg 180
gcggcagatg gtgctgtgt gtctggaggt gggcagacat gcatgctgct gcagagggaa 240
cagtggagatt caagaaaacc aaaaagtcag ccctttgctt cttttaccac aaaccttggt 300
gagatttttc tgaaacgctg gcttggagcc tggaaattaa acttaatttt gaccctgata 360
tgccacata gtataggaaa aaaccctcta aagatatttt tgaaaggact ttctaaagga 420
aacaaggata aaataagaat tgaaaagagt ctgcattaaa tggaaaaact ttaaaagaat 480
gcacctaag ggcagcttta gtgcaaggcc ttaacgtttt agttgctctg gtatcgcagc 540

```

```

gagggggcga cactccatcc ctgccgtggc cctggactcc taccacctgc ctgtctagct 600
ctggctgctg agtgtgtctg ccagtggctc agggagtgc cttggacagc ctggctgacc 660
tcacagttca gaactgctta gggagtgact cagaaggagg 700

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<210> 335
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 335
agtgaaggc cttaacgttt tagttgctct ggtatcgag cgagggggcg acactccatc 60
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gccagtggct cagggagtgc acttggacag cctggctgac ctcacagttc agaactgctt 180
agggagtgc tcagaaggag gcctgtccct cccgggaatg tcaggaaaca gccacttggg 240
agatttcttc tgtggcagtg actctgtgag agttctaact cggttcttga ccagcctcac 300
tgaggaccat ataaatccag cccgattggc actgcattca ttatctccca tctgcccag 360
gatagtcagc tagtgctgta tatgagaaac tccttcaaaa aacagaggta tttgaggttc 420
attatggaac tctctgtaga attatgaact ttagctctct ttggtaaata ggaaatngct 480
ccaactactt gtccacccaa gaaacccttc atcagccagc cagcttgctt cttcccactt 540
tgctgttcct cagacagcct tgacttcata gacaccctga caggtgttac ctgtgaagcc 600
caggacctag accagtgcct tctttccagc aactgccaa agtagaatgc tacccaactt 660
agagatacta aaattcttgt tccccgaag aaataaaatc 700

```

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<210> 336
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 336
agaaaccctt catcagccag ccagcttgct tcttcccact ttgctgttcc tcagacagcc 60
ttgacttcat agacaccctg acaggtgtta cctgtgaagc ccaggaccta gaccagtgcc 120
ttctttccag caactgccaa gagtagaatg ctaccaact tagagatact aaaattcttg 180
tcccccgaa gaaataaaat caataggctg gatttttgaa agatgttttc tttgggaaca 240
caaagaagta ctttttctc tgcataccac cttttaggtt ttttgaatag agcaacattt 300
cactgttctg aaatatctta acatgtaagt aagcagtgct gaatcttcga ggggaagaaa 360
agagtgaaga gtgagatcgt gaactccagg aggatgaagt tcaggggagg caaatgagac 420
gggtaagagt gaaggcaggc agtggggatt attctaggag atgttttgtt gtgtgagagg 480
gaggtgagtg aggactgagt gaagagggga gttaaggacg ggagggcagc agtgtcctgg 540
cctgcacccg ggggtcttcc agaaacagcc cagatggatt gcccagact cggcatcctg 600
gatggtttga tcctttccaa cccgggtccc tccttcttag aatcatcgct tctctgcacc 660
tgttcttgct tttaatcgtg gttatatcat ctcacaataa 700

```

```

<210> 337
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 337
tgaagagggg agttaaggac gggagggcag cagtgtcctg gcctgcaccc ggggggtcttc 60

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cagaaacagc ccagatggat tgccccagac tcggcatcct ggatgggttg atcctttcca 120
acccgggtccc ctccttctta gaatcatcgc ttctctgcac ctgttcttgc ttttaatcgt 180
ggttatatca tctcacaata acactttgca ctaactcaag agctggattc caatcaacct 240
tgcaatcacc ttcagaatca ctttcatatc ttcacatgtg gaaactgagg tgcagagagg 300
tgtgaagatg tgctgaaggc cagccacaca gctagtcagt ggcagagctg ggtctaaaac 360
cacaggcagt cttacctcca ggccctcagc cctcaccott cctccaggcc tggcttctag 420
tgaggtggcc cttcccttgg ctttgttaga gccttctcag cagtgccaca ggcctccaga 480
gacccagtgc tcaaccgggt ggactcttgg cttctagtag gagccatctc ggttgatgg 540
acttgagatg tttatacaca cacacacaca cacacacaca canananata canananata 600
natacanaca nanatatana nacacacana nanananana cacacacaca cacacacaca 660
cataaactgt tgcccagggt cagtggctaa tcccagcact 700

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<210> 338

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 338

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tggactcttg gcttctagta ggagccatct cggttggttg gacttggaga ttttatacac 60
acacacacac acacacacac acanananat acanananat anatacanac ananatatan 120
anacacacan ananananan acacacacac acacacacac acataaactg ttgcccagggt 180
gcagtggcta atcccagcac tttgagaggc cgaggtggac ggattgcttg agcccagaag 240
ttcgagacaa gcctgggcaa aatggcaaga ctccatctct acaaaaaaat acaaaaatta 300
gccaggcgtg gtggtgcaca cctgtcgtcc cggctacttg ggaggctgag gtaggaagat 360
agcttgagcc tgggaggtgg aggctgctat gagctgaaat cgcaccactg cactccagcc 420
tgggtgacag aacaagaccc tatctcaaaa aaaaaaaaaa gtgtgtattt gcccttcaga 480
atctcatcct gtatcggact cccgggataa ctaatgaaat gagatagtc agctaaaggc 540
ccgaagagca gtttccctca tgaagcagga tgggcctgt tctatggtct ggggtgctgga 600
gtgtgaccct gcccaacaca cagggttca ctctggcca tatcatctcc ctagtgtgca 660
tggaaagcag gtagttagga gaccactgtg aaattgaggc 700

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<210> 339

<211> 700

<212> DNA

<213> Homo sapiens

<400> 339

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tcccgggata actaatgaaa tgagatagtc cagctaaagg cccgaagagc agtttccctc 60
atgaagcagg atgggccctg ttctatggtc tgggtgctgg agtgtgacct tgcccaacac 120
acagggtctc actcctggcc atatcatctc cctagtttgc atggaaagca gtagttagg 180
agaccactgt gaaattgagg ctttggggct ttcattctca gccgtgtgtt tccatgaaaa 240
caggaactga aatgcacaaa actattgata cggctgtagt catgtgtttg tcagagaaaa 300
tgcactatca gctgtcaaat ctatctcctc ccactacaga tagaggggtg ggggtgaggc 360
agcacaggag gcagagaggc gaggtgcccc ggcagcccga agcagggatg tgctggacgc 420
tgcccagcag gatggttcca gaccgagctg gaggggagtt cggccggcca gagcaagctg 480
aggagctctg gacggcgagc cccggaacct agagggctgt taggtggcca ggctgtggaa 540
gaggaggggc tctggcgata ccttttctgt tgccatagga agtctcttag acaaaatgaa 600
agctccctca acctgtcatc tcaatatctg tttctgtgag agtatttggg ttttcagaaa 660
tgtatggggc agaaaaattc tctcattcaa caggcattta 700

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<210> 340

<211> 700

<212> DNA

<213> Homo sapiens

<220>  
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 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 340  
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 accttttctg ttgccatagg aagtctctta gacaaaatga aagctccctc aacctgtcat 120  
 ctcaatatct gtttctgtga gagtatttgg tttttcagaa atgtatgggc cagaaaaatt 180  
 ctctcattca acaggcattt attgagtgc tctacgttc caggcactat gccaaagcta 240  
 agtaaaaccc aagagggctt ttctttgacc aggatctgag tcaggactac agcatgtaag 300  
 ctttctatta catgtcttct aaatcaagt aaaccagaaa gaccaaaca tgcttaagag 360  
 taaagatcag acttctcggt ctttgaaaac atctaacc ttagagttaa ttggggccc 420  
 ctcgttttcc attagacaag tttcttggtc agacatttgg ggatggatcn cccatttgc 480  
 taaaacagac cgtgggacgg cttcttacct tggaggcagc aaagatgtct gttacggtca 540  
 actcggtgca cagagtcttg gtccaggcag aaatgagaga gcaagagaca gagttaacct 600  
 ccaaccggac agagaagtcc ttgatgagca gctctcact cctccaactg aggaaacttc 660  
 ctacaaaccc tcagaaaaaa gagtggcagg ggagaagcct 700

<210> 341  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 341  
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 cttgatgagc agctctcact ccctccaact gaggaaactt cctacaaacc ctcagaaaaa 180  
 agagtggcag gggagaagcc tcgctgtgtg ccctggactg ccaccaacca ccagttccaa 240  
 cttctctagc agctgttaac gttttcatgc ctagaatac tgagagcatc accagaacat 300  
 ctggagagat ggtgccagat aggtactcac cttctgctct gtgaggctgt tcaaagtttt 360  
 gatgatctcc tgtaagggtga tatcgcaact gtgtccgtgg acaaagttgc cggcacatgc 420  
 tagcaggaag aacagagggg gaagcagttg ggaggngaga cccattaata ggtgtcgatt 480  
 tgcagtgaca atgtgagnca attagtttat caggagaagc taacgatnca atgctgacaa 540  
 agatatctct atatatagat ttaaaattgc tgaaaccgag ggaaaatgag tttacattgg 600  
 aaattttcgt tacaccagat tgtcagtcac ttggggccaa tcagcacctc tcttcagga 660  
 gaaaaaatgc ctcacaaaca ggtaaaatgt tcctgtgaaa 700

<210> 342  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 342  
 aattagttta tcaggagaag ctaacgatnc aatgctgaca aagatatctc tatatataga 60  
 tttaaaattg ctgaaaccga gggaaaatga gtttacattg gaaattttcg ttacaccaga 120  
 ttgtcagtc cttggggcca atcagcacct ctcttccagg agaaaaaatg ctcacaaac 180  
 aggtaaaatg ttctgtgtaa atcagaccaa taggaaaatg aaaccttttt aaaaaattaa 240  
 ctacaaagtt tcagcatagg aaattacacc ataatttgct ctttagatta atcttatcag 300

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cttggggctg ctgctggctt tttgctttgc atagaaggggaggggccacag gtgtccgaat 360
ttgttgtaat gcagtcctcc tggggaaaaga tagagtaata tcaagaaagt tttacttgaa 420
aagtatttta acctggcttc ttccaagtac aggtggcatc ttggaaactg tcctgtcatg 480
gaaaagctga tctggggctc cttctctgca tagaggcaga ataacaggca gactctccta 540
ccccagcact ggggnacaat gttctcccaa gtttaggtgt tttgagaagg acaggctcgt 600
tcaggtgagg cctagtttgg gtcccagcag gtccataagg tccttaccca taaggaagcc 660
cttggaagg taggtctatt ctgagggtttc aggaatgact 700

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<210> 343

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 343

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tggttctccca agtttaggtg ttttgagaag gacaggctgt atcagggtgag gcctagtttg 120
gggtcccagca ggtccataag gtccctaccc ataagggaag ccttggaag gtaggtctat 180
tctgagggtt caggaatgac tttttttttt tttttctga gacagggtct cactctgtca 240
cccaggctga aatgcaatgt tgtgatcagg gatcactgca gcctcaacct cccaggctca 300
agtgatcctc ccacctcagc ccccttagca gtaggtgctg gccaccgcac catgcctggc 360
tcatttttat tttattttt tgatagagat aagagtctca ctatgttgcc taggctcatc 420
tcaaattcct gggctcaagt gatcctccta cctcagtctc ccaaagctct gagattacag 480
gtgtgagcca ccagcctgg ccaggaatgc ccactttttg aatggaacct aaacacatcc 540
tcagctaatt aggaaaaaga gctacagtct taccactta caaatcagcc ctcctagtca 600
gtgccccacc acccgccctg cttgtttttt attgaattca tgtggacaca ataagggtgt 660
cattgcctca ccccagcagt gaacgtaagg accccaccac 700

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<210> 344

<211> 700

<212> DNA

<213> Homo sapiens

<400> 344

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gccaggaatg cccacttttt gaatggaacc taaacacatc ctcagctaatt taggaaaaag 60
agctacagtc ttaccaactt acaaatcagc cctcctagtc agtgccccac caccgcct 120
gcttggtttt tattgaattc atgtggacac aataagggtg tcattgcctc accccagcag 180
tgaacgtaag gacccccacca ctcactcagg tgccctgggc ctgtgcaagg ccacccccacc 240
tcccagtaag ggctcatggg cagcaggatt cttgggcccct gcctgcccc tgcctttctc 300
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ttttttttt tgagatggaa tcttgctctg tcaccaggc tggagtgcag tggcgtgatc 420
ttagttcact gcaagctccg cctcctgggt tcatgcctgt ctctgcctc agcctccccg 480
agtagctggg actacaggca cctgccacca cgccccgcta attttttgta ttttttagtag 540
agacggggtt tcaccgtgtt agccaggatg gtctccatct cctgacctcg tgatccgcct 600
gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc actgtgcctg ggcctcccta 660
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<210> 345

<211> 700

<212> DNA

<213> Homo sapiens

<400> 345

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acctgccacc acgcccggct aattttttgt attttttagta gagacggggt ttcaccgtgt 60
tagccaggat ggtctccatc tcctgacctc gtgatccgcc tgccctcggc tcccaaagt 120

```

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ctgggattac aggcgtgagc cactgtgcct gggcctccct atgaatttat tctggaagat 180
catctaaaaa tgtgtgttgc taagggtttt cctctgttcc acttccccgc cccccctca 240
ccacccccctg ccccatact ctgtcaccca ggctggagtg cagtgggtgat catagcttac 300
tgtagccttg atctcctggg ctcaaggcat tctccagcct cagcttcccg agtagctggg 360
attacaggca catgccacca cgctggcta atttctgtat tttttttttt tttttagtag 420
agatgggggtt tcaccatgtt ggctaggctg gtgtcgaact cctggcctca aaatgatcca 480
cccacctcag cctcccaaag tgctgggatt ataggcgtga accaccatgc ccggccaagg 540
ttttgcctct gttttggatc ttttcttccc ttattattat tattattaaa ttgacaaata 600
agtattgcac atatttgtgc tgtatgatat aatgttttga aatgtgcatg ttatggaatt 660
gctacatcaa gctacttata caatacttca catatttatt
700

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&lt;210&gt; 346

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 346

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gtgctgggat tataggcgtg aaccaccatg cccggccaag gttttgcctc tgttttggat 60
cttttcttcc cttattatta ttattattaa attgacaaat aagtattgca catatttgtg 120
ctgtatgata taatgttttg aaatgtgcat gttatggaat tgctacatca agctacttat 180
acaatacttc acatatttat ttttggttaag aacatttaaa atctactctg tgattttattt 240
atattttttg agatagagtc ttgctctgtt gccagactg gagtgcaatg gcgcagtctc 300
agctcactgc aacctctgcc tcctgagctc aagcaattct cctgcctcag cctcccagat 360
agctgggatt acaggtgcct gccaccacgc ccagctaatt tttgtatttt taatagagac 420
agggttttac catgttggcc aggctggtct cgaactcctg acctcagggtg atctaccac 480
ctcagccctc gcaaagtgtc gggattacag gtgtgagcca ctgcgcctgg cctgtcttca 540
tgatttttaa gtatacaaga cattgatatc aactgttgct accatgtcgt acaatggctc 600
tctttaactt aactcctccc agttgaaatt ttatatcctt tgaccaacat cttcctgac 660
accacctcc cagccctgg tgaccatcat cctactctct
700

```

&lt;210&gt; 347

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 347

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tgggattaca ggtgtgagcc actgcgcctg gcctgtcttc atgattttta agtatacaag 60
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cagttgaaat tttatatcct ttgaccaaca tcttcctgat caccaccctc ccagccctg 180
tgagaccatca tcctactctc tgctccctg agtttggctt ttttatattt cacatatgcy 240
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caggttcac cagtttgtgg tgaatgacag cgtttccttc ttttttaagg ctgtatagta 360
ttccactgtc tatatatagt tttggatctt atcgacgtgc ctcaagttct gtgaaggaga 420
gaatctggat aattgtatca ggaggtcctt agaccatatt taggatcctt ccattgggac 480
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gccacacctc acaggtgagg ggtatggctc ccacaacac tgcccttgct tcagacgcca 600
gctgcacatt caggggttcc cagcccaccc tcaactgtga ctggctgcaa atctgggagt 660
ttccactacc cctcaggttc cagaatgcac taggatgact
700

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&lt;210&gt; 348

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 348

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actaaatgca gtggcttcag atgccaaacc acctgagatg agccacacct cacaggtgag 60
gggtatggtc cccacaaca ctgcccttgc ttcagacgcc agctgcacat tcaggggttc 120
ccagcccacc tcaactgtc actggctgca aatctgggag tttccactac ccctcaggtt 180
ccagaatgca ctaggatgac tgacagaact caggagagtg ctatacgtaa ggccacagtt 240

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ttatcataac	aaaagcattc	aaatcagaac	cagccaaaag	aggagacaca	ggggcgagat	300
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ccttctcagc	actttgacgt	gtgacaaaat	gctgactatt	tctaagcagg	gaggctcact	420
tgagcttttg	gggccagagt	ttttatttga	gtcttatcat	ataggtgtgg	ttgatggact	480
cattggccac	tgggttgaac	tcattcttct	gggtctcttc	cgggaggcca	ggctgatatc	540
acagaacctc	agtggcgtag	ccagcccttc	catggtcgta	ttgtcagcaa	aaactaccta	600
gggcccacca	tgagtcactt	cactcgcata	aactctcaga	gaccaccatg	aataataaga	660
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&lt;210&gt; 349

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 349

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gccagccccct	ccatggtagt	attgtcagca	aaaactacct	agggcccacc	atgagtcact	120
tcactcgcat	aaactctcag	agaccaccat	gaataataag	atactcctat	cacttgggaa	180
atccctagga	atttgggggt	acctcctggg	aactggtagc	aaggactagc	caggttgttt	240
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tgcttccaaa	gcaggtgggg	actttggatc	cgatgaacta	ttatgtggaa	tgaagtacag	420
cagcggttcc	agttaacaca	ggaggagagt	catcaagctg	cggacttgct	gggtggagag	480
cttctgccaa	ataggttctc	aaggagagtc	ggggatgcag	aaggggagct	ggtggggagg	540
gcggggttct	ggggcgtagt	tgggggcagt	ggaacagcca	tttatgtgtc	catctggtgt	600
ttttctaagc	accactaaa	gggcagaccc	tgggcttgag	gctctgaggg	cagagctggt	660
gagtgaagaa	ggaatattag	gtgggcacct	tcagctcaga			700

&lt;210&gt; 350

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 350

caaggagagt	cggggatgca	gaaggggagc	tggtagggag	ggcgggggttc	tggggcgtag	60
gtggggggcag	tggaacagcc	atattatgtg	ccatctgggtg	tttttctaag	caccactaa	120
agggcagacc	ctgggcttga	ggctctgagg	gcagagctgg	tgagtgaata	gggaatatta	180
ggtgggcacc	ttcagctcag	aagcagaatc	cagcttgttt	tgtttgtttc	aatggtgaaa	240
tgaggccaaa	gatgaaagga	taaactgtcc	agaacattcg	agagtgacca	ggagtctccc	300
cagagggcag	aagtggggga	tgggccatcc	tcgcctgcag	ggacagcacc	atggcagctg	360
caggtgcggc	aggtgggtag	agatggggaa	ggtgggtgcc	tgcatgtgca	gggacaaaga	420
ggagggcagt	gatcaccacc	actaccacca	ctgcgaagga	gtctccgagc	ctgcagggcc	480
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atactgctgt	ctctggctgt	gtcggtcaca	ggcccccttc	cctccccctg	gtgagagctg	600
agaaccagcg	cggccccctc	catggatgca	gagtttttcc	ttcaggccct	ggaacgtagc	660
agttatgagc	actgcgtttg	ggagtccagc	aaatgagccc			700

&lt;210&gt; 351

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 351

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tgtcgggtcac	agggccccct	ccctccccct	tgtgagagct	gagaaccagc	gccggccccct	120
ccatggatgc	agagtttttc	cttcaggccc	tggaaacgtg	cagttatgag	cactgcgttt	180
gggagtcag	caaataagcc	cttatcaact	ctgtgaccat	gagtagatca	ttactctctc	240
ctgggtctcg	atcttctcac	ctgtgaaatg	ggaataatgt	ggctcttctc	tgtgaggagc	300
aagtgagtg	ttccatggaa	agtacttggc	atgtgtcatc	cagaaagggg	gtctgttaac	360



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agaggctgct atagtacacg gtggctaaga gagcggacgc tgggcccagg tggctctgtca 420
ggcctggctg ctgtgcctcc tggctgtgtg accttgggca cgctactcag cctcatctgt 480
gaaatagggg tcatagctgt ccctgtctca tgaagttgct ctgaggaatg aatacattta 540
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actcctatct tgagttgctg aaatgactga tgcttcatct attaggcaag cccaagtctg 660
gacagggcag tggagatctg gccagacggg ccctcccccac 700

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<210> 352
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 352
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atagtgcctg gcacacagtg agtgtgatga tgataatgat gactcctatc ttgagttgct 120
gaaatgactg atgcttcac tattaggcaa gcccaagtct ggacagggca gtggagatct 180
ggccagacgg gccctcccca caggttcctc ctggatgtgc ctccctccgc tttgagttgc 240
cgtccttggt tctggtgggt cacggtctcc acactgcagc ccgcctactt tagtatctgg 300
attcattaca gggaacagac acagctgtgg gtgctttagt caggaaagga tttcatgcag 360
gaaagtagggt gcttctaaga atgtcaggag ggctggaggg gcaggctcca ggctggggccc 420
agaaccctaa agacctgacc cactcagcga gccaccctg aggctgcagt gccgggattc 480
caaagctgct gcctctgctg accccctaca ctgtgagctc gctccaggag actccgggtc 540
tgacttccac accatgagtc tgctcaagga caccctagt ctgaatgacc aggtacatgg 600
tatctgccgc cctccctcc acagcttgct agccttcac taattggaaa agccagatgc 660
tcgcttcaaa ggagtcagaa acgcggcagt caactaggag 700

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<210> 353
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 353
gacccccctac actgtgagtc tgctccagga gactcccggg ctgacttcca caccatgagt 60
ctgctcaagg acaccctag tctgaatgac caggtacatg gtatctgccg ccctcccctc 120
cacagcttgt cagccttcac ctaattggaa aagccagatg ctgcctcaa aggagtcaga 180
aacgcggcag tcaactagga gaaaggaata caggtcgcac aatgcagccc agtctccacg 240
ggcctcggtc attgatgctt gctgtcccag ccattcctgt ggtccgagtc ggggtgaatct 300
cacctccctc ctcttctgtc agtcctgcag gccagcacc aggagagtgc tttccaacct 360
ccacaggctt agtcatggaa aaaggtgaga cttctctgag ggaggggcac ttaagcagag 420
ttagggatga gccggcttta gccaggagca ggggctgcag ggtggggtga gtgcgggcaa 480
gggacagcag gtggaaggcc ccgaggtcac tgaagagagg gctcccagga ggggagcacg 540
ggccgagggg acccagccag agcattgcag gcgcccgtga cagaggcagc tggcgcgaa 600
cgggtgggat ggtggcaggg agagctgtgg gctcttgagt catttggccc agcacagtgt 660
ctaggttaag acctggtgtc ttggtgccc cgggacctga 700

```

```

<210> 354
<211> 700
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

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<400> 354
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gagcattgca ggcgcccgtg acagaggcag ctggcgcgaa tcgggtggga tgggtggcagg 120
gagagctgtg ggctcttgag tcatttggcc cagcacagt tctaggttaa gacctggtgt 180

```

```

cttgggtgccc acggggacctg actgggttctg aatcccagct ctgggtgacc ttggaaaagt 240
tcccccatcc aggcttctct gtaaaactgg gctgattaca ggggcgaggg aatactatag 300
aaggtgacaa atatgaagtg tttgggtgtg tgaccggcat attgcaagcc cccggaaaat 360
gccagcaatc accatcacca ccaccatcat cattaatagc acttggaagt gactgaatgt 420
gggggtgagg gagagcagga agtcgcaggt ggccccaggt ctctggcttg gggaggaggc 480
aggggagagg gcaggcgggc ggtggnagcc accagctgag gggctgctac gggccatact 540
ctgagaacag gggaggggtcc agcctgcagg cagtagacat ggaggggtgac taagccaagg 600
ggaagaacac agtggttctg gaaaaagggg tcccgattca gaccccgaga gagttcttgg 660
atctcgcacg ggaaggaatt caaggtagt cgtggtgtgt 700

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<210> 355

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 355

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cagcctgcag gcagtagaca tggaggggtga ctaagccaag ggggaagaaca cagtgttgct 120
ggaaaaaggg gtcccgattc agaccccgag agagttcttg gatctcgcac gggaaggaat 180
tcaaggtgag tctgtgtgtg tggtaaagaa aggatgtaga aaactactca gagtaggggtg 240
tcctcagaaa gcatgagcag gaacgccttg tctgcttaaa gcttttctta tataggggtc 300
ttgtctatac aaaagccaag ctacattatg tctatgtgca ggtgggctga cagtgtcaca 360
aaatttagta ctttgttgat ttaaataatg ttttatcctt ggccttttag tgagtaagta 420
catcaaagca ttactgtaaa tagcttgaaa gcatatattg ttatgagaca tcaggacacc 480
cagacattct gctgtttag gagtttgtcc ttgcggcggt gactaaactg cttccttggc 540
gtaaacaatc catgaccatg ggtagtact ggcaaggaat atgcctagct agttttaaga 600
tggagttgat tttaaaatgg tgtcacctg gctctcctcc actcctgttg acctaacaat 660
atggccaagg ggtgagagaa gacagggggac aagaaatgag 700

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<210> 356

<211> 700

<212> DNA

<213> Homo sapiens

<400> 356

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ggagtttgtc cttgcggggc tgactaaact gcttccttgg cgtaaacatc tcatgaccat 60
gggtagtgac tggcaaggaa tatgcctagc tagttttaag atggagttga ttttaaaatg 120
gtgtcaccc tgcctcctc cactcctgtt gacctaaca tatggccaag gggtagagaga 180
agacagggga caagaaatga gccagggcac tcctgcgaca ctggaagggtg gtgaggcagg 240
gtgcagagtc caggcatgag agaggcccag ggaggaggag cagtgtcag cggcagcaat 300
gttcctcgta ggtgaggcta gataagggca gacatgcgtt gctgcacgga gtggagttga 360
taatcagtga cctcatgaga tatctgagt cagttggggg cacaggaagt ggccagatga 420
ggtggaactc agtatgggca tctgggaggg cagctgtgtt gggctgcagg ctgcgtcgta 480
ggttgtcagc tgtgttctga atgggacaca atcaagcaca ggctgccccca gctcagcgag 540
cggcagcttc atccttgtag ttgttcacac acaacacggg aagacctcac acgctcatat 600
ccaagccacc ccaaagcctc tcctttcact gatgtgacat ctcggattgg tgggtggtggg 660
gaagggggcg gggtagagat ggaacaaaat tgacaaaact 700

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<210> 357

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 357

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aatgggacac aatcaagcac aggctgcccc agctcagcga gcggcagctt catccttgca 60
gttggttcaca cacaacacgg gaagacctca cacgctcata tccaagccac cccaaagcct 120
ctcctttcac tgatgtgaca tctcggattg gtggtggtgg ggaaggggcg ggggtagaga 180
tggaacaaaa ttgacaaaac tggccatgag ttgctcattg ttgacgctgg gcaatggatg 240
cttgggagtg actttcgtgt atatttgaaa ttttctgtaa tagaagattt taaaattgta 300
attgcatagc aaatgtaaat attaacatat atgcacattt atatattata tatttanatc 360
tatactttat ggattatata atatactatt taagtaaata atgtatacga tagcagtata 420
atgtatacat gcatctttaca cacacgcccc tctccagtcc tccactacca caagcaccat 480
cgctccccac cagcatctct gcaggcacct tggcgctcat ctccctgctc cgccttcgcc 540
ctgcggttgcg ttctccacac agcagccacg gtgactttgt taaaatgtga gtcagaccac 600
atcactccat tccacttaga atgaagcccg gtcttgccct ctgaggccct gctgggntcc 660
tgctgccctt gccgtggcct ctgctccagc ccgagggcca 700

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<210> 358

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 358

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tgcaggcacc ttggcgctca tctccctgct ccgccttcgc cctgcgttgc gttctccaca 60
cagcagccac ggtgactttg ttaaaatgtg agtcagacca catcactcca ttccacttag 120
aatgaagccc ggtcctggcc tctgaggccc tgctgggntc ctgctgccct tgccgtggcc 180
tctgctccag cccgagggcc acccgtgagt gctgggaagg gcatccccag ctgctcttg 240
ctcaagacct tagcacctgc agttcccttt cccttgatga ctttgccccg atctgtgcat 300
ggngtcccc tnccttctgt ttctgcccga tctctgttcc catcttatct catggggagg 360
atctctccaa cctcctcgca taacacagca ctctccctgc tgtgcagccc cggactgttc 420
tatttccac ggtagcggct accaccgcc gacacactga gtgttctctc gttggcttat 480
tctgtctccc tgctagaagc aaccttgttt tgtttagtgg acccccagca cctagagcag 540
ggtctggcac ccaggcaagg cctcaatcca tacttgttga atgaatgagt ggagctccat 600
ttccacggag cactgagac gtggctgaag taacaacact agaagtcagg gacacagctg 660
gggcttgaag ctgggactag tttcaccctg agccccggc 700

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<210> 359

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 359

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caaccttggt ttgttttagtg gacccccagc acctagagca gggctctggca cccaggcaag 60
gcctcaatcc atacttggtg aatgaatgag tggagctcca tttccacgga gccactgaga 120
cgtggctgaa gtaacaacac tagaagtcag ggacacagct ggggcttgaa gctgggacta 180
gtttcaccct gagcccccg ctatatgctc tgctgtgtt cctgagaggg gaggggatgg 240
ggcccagagc acanacacat ggagggcccc atccaagggc acagggaccg aggggaggag 300
agaaacgagg ctggcaggca gtggcataga ctccgctttg cggagctgtg gggaagtagc 360

```

```

tctgcaggct gttggcttct cttgcctttc agaagcaggt ggaaggctct tctcccaaga 420
gaggcagagc tgctgaggag tctgcaggaa tgctccatct gtcccatag tgtaaatgtc 480
acttcagcct cagagctaga tgggcgccct accctttccc tcccactcc cgctggctcc 540
tgtgccctgg caggccaggg cctagtgaag accccaaga aggcagcacc ttcctctgtc 600
tttggcaatg tgggatctga tgggtccaag agtgcccaac ccatgggagg agcggtgcta 660
gtcctgtctg gctgaggggc tgccttgcat gccctgcag 700

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<210> 360

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 360

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atgggcggcc taccctttcc cttcccactc ccgctggctc ctgtgccctg gcaggccagg 60
gcctagtga gacccccaag aaggcagcac cttcctctgt ctttggcaat gtgggatctg 120
atgggtccaa gagtgcccaa cccatgggag gaggcgtgct agtcctgtct ggctgagggg 180
ctgccttgca ggcccttgca gaccccccac tctctccccg agagggccgg cccccaggg 240
aggacttagg ctggtctgag ggtgctggt gctggtccag ccgggggatg ctgcaaccag 300
gtctcctcac tggcctgtct cgtccacat cctccatgga gcagacatca cgttcattgt 360
ctttttgctt tttaaaaatg aaatttatcc ttgtctccca ttggaaaatg aatgcattgt 420
cattatagaa aatgtgggaa acagatcaga agaaagaaga gtaaataaaa attgcctttt 480
ccaatgtggc atcaccacag ctctctggc acagggccct gggctgggca gggagtgtgt 540
gactgtgtng ccaacaggcc atcgggctgt gggctacag gggatgccat cgggtggctt 600
ggccttcctc ccttgagggt ttggggaaat ggtgtccagc ccccgcacag ttgtccacag 660
tgatgcagag agtggagctg acgagagttg ctatatattaa 700

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<210> 361

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 361

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gtcctctggt cacagggccc tgggctgggc agggagtgtt ggactgtgtn gccaacaggc 60
catcgggctg tgggtctaca ggggatgcca tcgggtggctt gggccttcct cccttgaggg 120
tttggggaaa tgggtgtccag ccccgacaca gttgtccaca gtgatgcaga gactggagct 180
gacgagagtt gctatattta attttggtgc ctgcgtcacc tctgaccaca cagcagcgct 240
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ttccccaaga aaaggtatag cagaggggaa gggagagaca gcaacagaaa gtgaggtcgt 360
aagtagaaaa ttgcttctg gatttcaaat ggctttgtca tggggccctc ccttnctgcc 420
gagaaatcag ttgatctggg aaagtgtgtt gcaaaccctt gccctcttgc ttttgggtgg 480
agctgagaaa tgaatgaaga taatggggtt ttatgagtgt gggggagggt agctgaggag 540
acagccacca gtctgacct cagcttggtt ccctagaaag gccagatagg agctggccag 600
tgtgtccctg gccaggctgt cctgtctgga acatagtcag cctgncccca gccggacctt 660
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<210> 362

<211> 700

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 362  
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 tcctgtcttg aacatagtca gcctgncccc agccggacct tcttagaagg gaggcaggcg 180  
 aagtgggaaa caggtttgga gtgtgttaca atgcaccage tagatgaagg gcataggcag 240  
 aagacatttc tctttgaccc taatgaaaaa gcgataagcc gctggggccag gtgaaggcca 300  
 ggcttcaagc tgctgcctcg gtcacaagga aataagatgc gggcctgggc cccttggggc 360  
 ctgtccttc tgcctcgcg caggacaggg ggccagcctc ggagaaacct gccaaagtgc 420  
 tgggagcatt ttctgacacc tcatctgagc agcaaaactga ggtgttttgt gccgagttca 480  
 ccggaaactc gcgtgtgtct cacttctcac tcaagcccag cctctcttcc agtgaaacct 540  
 cctgggctgg ggttcccagag gtgccaaggg gctcccgcct ctgggccccca tggccagcat 600  
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 tgagggcttg ccttgtttat gaaagaactt aggccacgtg 700

<210> 363  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 363  
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 cactcttctc ccttctcaac ccttctctct ctgagtcctg ctgagggctt gccttgttta 180  
 tgaaagaact taggccacgt ggttagagaa aactcccagc aaacaccacc agggctcagt 240  
 cccaggggag ggaggttccc agccacagtt gcagtgtga cacttaccta ccttgttctg 300  
 tcttctcttc tcatctctga cagggccctt tccctgtcgc caccagctgc agcttggttc 360  
 tgtggctcag taaggtgtca ctcatccctg gagagcccca cgcctctctc agcccagggc 420  
 aactgcccag tgaccacagg tcccccttcc tggggagcag cctggaaggt gtgagggaca 480  
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 ccacccgcac tgtgcacctg cctcgcaggc tgtcctgaat gtgtggctca gagcacggcc 600  
 ttggaggatc ccgaggaacc ttgccccaca tcagcctcaa ttccagtctt tgttcttgag 660  
 ggagtcacgt ggaatttcac tggaagggtt tccatcttcc 700

<210> 364  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 364  
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 cttgccccac atcagcctca attccagtct ttgttcttga gggagtcacg tggaaattca 180  
 ctggaagggt ttccatcttt ctggataggc agggcaatac tttggctggg cagagaggac 240  
 atgggtcaaa gatgatgcta ctgggagata gatttctagg tcttgtttac aaagtcatta 300  
 ccctccgtaa atatccttcc agccttaaacc cctaggctct ggatggagaa gaatgccgag 360  
 accctgactc ccacccacct cccctggctt ccaagactct ctctccttt gcggaagcag 420  
 ccactgctca cctccagagg ggaggccctc ccgagggagg acatacagct cccccaacct 480  
 gacctctgtg tgtttctaca gatttcttcc aggggtctaaa tcttgagtgc atgtggtgtc 540  
 ttggttgtca ctagcccagg tgtctgtgtg ggggtggctc cccgcaggta tttctcagc 600  
 aaacgtggca ggacttaata ggcttggcac cagagagccg gtctgtctc ctgcccggga 660  
 cagcctgctg gagaccacgc tcttgcacca tcacctctt 700

<210> 365  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 365  
 agagttcttt caggggctaa atcttgagtg catgtggtgt cttggttgtc actagcccag 60  
 gtgtctgctg tggggtgggc ccccgaggt atttcctcag caaacgtggc aggacttaat 120  
 aggcttggca ccagagagcc ggtcctgtct cctgcccggg acagcctgct ggagaccag 180  
 ctcttgacac atcacctctt tcaccccccac agtcttctct cctctaggcc aagtgtcccc 240  
 tgccccctgc actgtcaggt ttgccttctt ccgtcgcttc tccctgggga aagtgagtgg 300  
 ttctggagta gctggccacc atcatcagcc ccctggcgaa ctccctgcca cgtcctctgc 360  
 tgttgctgta atgacacagc catgagcagt cgaggggcggc tgncttcagg gacttctgag 420  
 catcactgtg gtgttcccat agggctcttg gctccccagg gagggcacct gcctgtcact 480  
 acaagtttga gactggttct tgaagaccat caccactgc aaaggcatcc catcctggag 540  
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<210> 366  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 366  
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 gtaaggcccg ctggtctctg cactccagct gctgaccagg gccatgggga agcaacaaga 180  
 gctgctgagg agtggcctag ccagagccct gttcacagag gtggtgcgtg tgtgcacct 240  
 aatggcgaga gctgtccaga aatgcaatgg gctgcccctc aaatatagggt agggacctgc 300  
 ctgtcagtga gagggccga acaggttgat gacagttgta cagggggaaa aactccattc 360  
 aggacaggtg acatttggan agaaataggn aggggtggtta agtgtgtggg ctttggagtt 420  
 aaagtgaatt ttggaccca atcccaactt tgctccttta cctcagatga ggctctgagg 480  
 ccccaggacc ccagttagga agtagctacg tgacctagg caaaccgccc acgctttctg 540  
 agcctcacag ttctcatcgg cctcctgggt tgtgaggagg acatggatgt gtgggtgggt 600  
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<210> 367  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 367  
 aagtagctac gtgaccttag gcaaaccgcc cacgctttct gagcctcaca gttctcatcg 60  
 gcctcctggg ttgtgagggg gacatggatg tgtgggtggg gccagacaca gctggccagt 120

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cctcaggaga tgtgattgtg agacttcctg ggtctccgtc tgctcctgat gccctccttg 180
aaccttgaca gtctggccca agcctctccg tccttgctgg tgcagcagac agaaggtggg 240
gcttccttca ggccatgtcc ccacctcgg gagctagctt gcattcagcc caggtcactg 300
caccctaccc tcgctgtaat ccctcccagt cccctcctcc aaccaccag cctcccgaag 360
agctcctcag agtcttcaga ccacagacca gtgtcccaa aggccaaaat gaaagacaaa 420
tacaatcagg cctatctgtc accaacttta tttctggctt cagtttgata gtcaatgaaa 480
caacttgttc aatgtccct cccccagtgt tcaaggtacc cttctatata ttaactcttt 540
gctaacatat ttaatattta aatacnagga aaaacaataa attactcgtt ggctgagagc 600
tggctgctgg ctggcagaca ggagcggctg ttctgcccct ctctgaccc tgccctcgat 660
gaggtccga ggccccagga cccagtgag gtagcagaat 700

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<210> 368

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 368

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aaatacnagg aaaaacaata aattactcgt tggctgagag ctggctgctg gctggcagac 120
aggagcggct gttctgcccc tctcctgacc ctgcctcgga tgaggctccg aggccccagg 180
acccagtgga ggtagcagaa ttctgtacac agtacttatt accagggact cctggngtnc 240
actgctttag tgctgnngnc ctgagtctct gaacccttgg ctccaagtgc naggagccac 300
agtcttcccc aatccccaac ggtgacaaac acactcattt aaataacaca caataataaa 360
taagaccaag aagaagtgtg cctgagctgc tgtctgcctc agttgcctgt gtgtgaagtg 420
ggtcctgtgc ccaccacatg tctggcaagg ggggcancca ctgtaatgct acagtgtgct 480
ctagggcagg ggaggggtgt agggacatgt catccctggg tccaccgagc tcagggccct 540
ggacagagga ggcccaccag gctgagccct gggcaagggg aaggctgagg tcggctaggc 600
tgaanacggg cagcacaggc tgaggtctaa gctaaggaat tttaccctc cctaaccctc 660
cttccgcct acccaagaca tttttgacat cagaaagaaa 700

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<210> 369

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 369

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tggaaaactg ctgcaggaca aagaggtcag cacntgagta gaannccaga ggccgggacg 420
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 <223> n = A,T,C or G

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 <212> DNA  
 <213> Homo sapiens

<400> 372  
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 tgatgaaatg acacataaag cacgtgcacc aggcctggtg taagcagtcg tcagacatgt 240  
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<210> 373

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

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<223> n = A,T,C or G

<400> 373

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gacactcacc ttctggttct ggggtgatgt gaccagctcc tcaatgagct ccctgagggc 240
tgtagaggga ggcacagggc ctggggaggc aaagccgcc aaggcaagtga gagcaatgac 300
cgtggtcaac aaaagcgcca tgaggcccag tgccaacagg agaggattga ggagcggatg 360
cnnangctgg gtggcttggt gccttggcgt cttgtggcag cttttatagg cccaagtggg 420
gacgcctgac accatggtct ctgctttttc aggcactatc tagaaaccac atctttactc 480
atcttgattt tactttgtgg aaaatccagt gtcgcataaa ggaaagagtt tgatttctca 540
tggacttatt gagaaagggtc cagggcagag ttccaagat ctgggtgggt ttaattccag 600
cggcaggcaa ggggccctga gagcggcgtg gcatttgcaa tgctgccctg agttccagca 660
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<210> 374

<211> 700

<212> DNA

<213> Homo sapiens

<400> 374

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ggaatttggg gagttttatt ttttcgatga accagtctct taaattactt aagtaacact 360
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<210> 375

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

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<223> n = A,T,C or G

<400> 375

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gatcccccca cctcagcttc cagagtggct ggaagtagtg tgcacgtgtc tggccccttt 180
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gctcaccagt ctctgcagga tcaacccctg ccgtctgggg gcctcaaatt tcccttctgc 360
agaatgagtg ctgtggaggg cggtcctgg gcttggcccc tgcagccatg tcgccttttc 420
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gcctccccag gccccctctc tgctgtctca ggctccctcc gtcctgtcct cgatggggct 600
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<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

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<223> n = A,T,C or G

<400> 376

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ccttggctct tgcaactccc ggagccccgc cgggtgagt caacgcccc tatcccccat 480
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<210> 377

<211> 700

<212> DNA

<213> Homo sapiens

<400> 377

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cgggatctgc gcggccgggc cctcctccgc ggcctccggc ggtggcgggt ccgggaggca 180
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 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 381  
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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 381

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&lt;210&gt; 382

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 382

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&lt;210&gt; 383

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 383

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caacctctgc	ctctcaggca	caagcaatcc	tcccacctca	gcctcctgag	tagctgagac	660
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&lt;210&gt; 384

&lt;211&gt; 700

&lt;212&gt; DNA

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<210> 385  
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<400> 385  
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cttttataaa ttctctgcat taaaaatata aattccaagt aaaaacaatg gaatgaacat 180  
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aagtaaatgt ttattgagtg cttactgtgt aggtgctaaa caaacagca cagtctctgc 480  
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&lt;210&gt; 388

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 388

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&lt;210&gt; 389

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 389

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&lt;213&gt; Homo sapiens

&lt;400&gt; 391

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 392

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&lt;210&gt; 393

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 393

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&lt;210&gt; 394

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 394

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&lt;210&gt; 395

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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 395

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&lt;210&gt; 396

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 396

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<210> 399
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132/598

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<210> 400  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<222> (1)...(700)  
<223> n = A,T,C or G

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gaccagttg agaaaagctg tctaggcaaa catgctcatt atagctacag atggcacaaa 600
accatgccat gtgactgaat caagaccggg tatggtcctg gctgactctg aatgacaaaa 660
ctctacaaag cataattcaa aagcgtgtga cttggttgca 700

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<210> 403
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 403
cagatagatg ccttaggacc ttagggctta attctcttct ggaccagtt gagaaaagct 60
gtctaggcaa acatgctcat tatagctaca gatggcacia aaccatgcca tgtgactgaa 120
tcaagaccgg gtatggctct ggctgactct gaatgacaaa actctacaaa gcataattca 180
aaagcgtgtg acttggttgc attctgtgtg gaatggaagg attcaagatg tcagctggca 240
attccaggaa aaactgtgat taggcttttc ttagaagtgg catctgaaga gcaaattggag 300
aggcctgttc ttccagggtc ggttggaccc tacagggagc aggccttgac tctgtgagt 360
agcctggctt gccttccaca tggcaatgcc cacttagaga ggaatcagga ttgatggtga 420
agccagtatg ctacacagga tagacgcaga ggagtgttac aggcttcttc acgatgggca 480
gatcaggcct caagtgggtc gagctttcca aagggtgggtg tgcacagtgg agaatttct 540
ctctgtagag agagctctga gtctggatga ccctctggaa gggatatgta ggagaagaag 600
gtggtgggta ctgacttaga tgattactta aggttctgtg caaactttga gacccattc 660
aactacttca aatttttagtt ggggaaacca agtcccagag 700

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<210> 404
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 404
agagctttcc aaaggtgggt gtgcacagtg gagaatttcc tctctgtaga gagagctctg 60
agtctggatg accatctgga agggatatgt aggagaagaa ggtgggtgggt actgacttag 120
atgattactt aagggttctg tcaaactttg agacccatt caactacttc aaatttttagt 180
tggggaaacc aagtcccaga gagagaggtc actggattta taaagttaaa agcagagcca 240
aacatacatc tcaccatttc tggctatcct cagatattaa tactcagttt ttcaaaccac 300
atgcaaggaa gtaaattcag aggtaacatt taactatgat ttaaaaaaat accaaaacca 360
taaattttca aggcagtaat tatctccttc tcaacagtgc tttgagaaga agcatgcatt 420
tgcactgggg agggaggcac agagtcgagt ctggctgta ctgctgaacc ctgaaggcct 480
gacagaggct gcctggaatg ggatgaagag cagcaaatca gaaacaggca atctgtccaa 540
ttttcagtga aacaagtttc atgatttttag aacctctcaa catccaaaat cctagacaca 600
atgttctctt gaaagaatat attttcttat tgactaagtt gatatgagaa ataagtttct 660
tattatacac tttctgagga cctacatttc tatggcattt 700

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<210> 405
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 405
gggatgaaga gcagcaaata agaaacaggc aatctgtcca attttcagtg aaacaagttt 60
catgatttta gaacctctca acatccaaaa tcctagacac aatgttcctt tgaaagaata 120
tattttctta ttgactaagt tgatatgaga aataagtttc ttattataca ctttctgagg 180

```

acctacattt	ctatggcatt	taaatcttgg	atatttttaa	tgaacattga	atcccagga	240
gctaacactg	catttcacaa	tctctgagca	ctgatcgatg	ttctttttaa	tcctgtagaa	300
tttctccaca	tattcagaac	gtcctaaaag	ctccacaaaa	tcttcatcat	gagtgtttac	360
cagaagctgg	aagttacgct	gctgtgagcg	actttttatt	atcctgcaac	aatatattca	420
gaacatatta	ttagtaaaga	gcataacccc	ttcttttgatt	tgaaaagtca	ccgcaaacct	480
tgtcagacac	atgaacttgt	gctgtgtgtc	agggccccag	ctaccctgca	ggaagtggag	540
gggtggcccc	aggccttcag	gccagccagg	caggagtctc	ttctcctctc	cagacagtag	600
ggacacatgg	cctgactcct	cacttaggtc	tggcttaggg	actcacagga	atacaagaac	660
tagttttctt	cagatcagaa	gttctcacta	aagcaggtat			700

<210> 406  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 406						
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ggccagccag	gcaggagtct	cttctcctct	ccagacagta	gggacacatg	gcctgactcc	120
tcacttaggt	ctggcttagg	gactcacagg	aatacaagaa	ctagtttctt	ccagatcaga	180
agttctcact	aaagcaggta	taaatatttt	attgagtttt	ccttaatatc	caaactgttc	240
aactatagaa	ggcttactcc	ttcgccctgg	attttcctga	cctgttacta	cttttctctg	300
gaagaaaaat	ttaaaagtaa	taaagacaaa	ctacaggtaa	ggggaataac	actgctttct	360
taagagctgg	gtctacttag	aattctgcca	ccaccagtca	ctagatgcat	cattactatg	420
acacacaggg	acctgagtgg	gtgttctggg	aacattttgc	tgaggtaacc	agcaatgtga	480
ctgaaacctg	aaagactttt	tcttttagct	agccacttat	ccccttcctg	gagctggatg	540
catttgaggt	ttcaaaagca	ctcgccctta	cttgtgatga	tggctgcaga	aagggtggcc	600
tgcgtgctg	agctctcctt	ctggccctct	ctgccagaaa	gggactgtct	ggagccagga	660
gtgcctgaaa	cacctccttt	gacctcaggg	aaactgcctt			700

<210> 407  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 407						
ttcttttagc	tagccactta	tccccttcct	ggagctggat	gcatttgagg	tttcaaaagc	60
actcgccctt	acttgtgatg	atggctgcag	aaagggtggc	ctgcgtgctg	gagctctcct	120
tctggccctc	tctgccagaa	agggactgtc	tggagccagg	agtgcctgaa	acacctcctt	180
tgacctcagg	gaaactgcct	ttttctctgc	cagcatagtc	cttatgcaag	agctgcttga	240
caaccttggc	gtctacactg	accccagggtg	aatgtggtaa	aagggtgtgca	attttaccct	300
cactggactt	tacctaatct	caaataagct	ttttgagtaa	gagctctgtc	attcctcaca	360
gttctctgac	acatgtggaa	agctggggag	acagtcctaa	acccactacc	actacctgca	420
gatgtcttag	cagggcatgc	taattgctgt	gcatgacatg	tgggttcctc	tggtaggttt	480
acaggaaaac	caggccagga	acccctcaca	gtgactctct	ccctgtgaac	acacttgggg	540
agctgcagga	tgtgtctggg	gctgctgttc	accatctagt	tccttttagga	gggatctgaa	600
gaattactat	caaaaggtaa	agcccagggc	ctggcaccaa	ctggcttccc	caagaagtgg	660
ggaacacagc	tagagaacgt	tttcatcaca	gaactctctt			700

<210> 408  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 408						
aaccctcac	agtgactctc	tccctgtgaa	cacacttggg	gagctgcagg	atgtgtctgg	60
ggctgctgtt	caccatctag	ttccttttag	agggatctga	agaattacta	tcaaaaggta	120
aagcccagg	cctggcacca	actggcttcc	ccaagaagtg	gggaacacag	ctagagaacg	180
ttttcatcac	agaactctct	tggttttgaa	gaactatcac	aacctgtccc	caaagtgtgag	240
atacttactc	aaccagagca	tgtgcaagag	atacttactc	aaccagagca	tgtgcaagag	300

```

attcaatggt ttctcgggtca agatttggtg ttgggtcatt caaggcaatg atgccacagt 360
tgaggcagaa cgtttcagcc agggccaggc gaatgatgag tgaggctaata acctggaaaa 420
aagccccatat gtgagaagcc cagcacagac cttctcatct catggcaggc aagcagtcct 480
gacatgatct tttcagcagg gaaaagtggg aaacgtcaca ggttcactgt taggtaaagc 540
actgccctct gggagagccc agcactggga ccagattctt atgtcctcca gaaggagaac 600
ctgcatgata tcagcctatc attcaccaca aaacaaaatg ctcagaacaa cgctgatgct 660
ctcacataaa aaattacatc agctacaacc aacttgagac 700

```

```

<210> 409
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 409
ggaaaagtgg gaaacgtcac aggttcactg ttaggtaaag cactgccctc tgggagagcc 60
cagcactggg accagattct tatgtcctcc agaaggagaa cctgcatgat ctcagcctat 120
cattcaccac aaaacaaaat gctcagaaca acgctgatgc tctcacataa aaaattacat 180
cagctacaac caacttgaga ccaaaggcta gaaacagaga caatgccatt tatctgtaat 240
tttaataatc ctgtaagatg agcaacctta aaaattcttg acctggctat ttgcctgata 300
atgggactct ttagaaaact tcgacacggt ttctagagcc tctcactttt tctctgctac 360
ctttaaattt coatatctt gtgtataatc ctgagactga gagaataaaa aagaaaatcc 420
taggtcaaag tatcaggagt atagaaatgt ggtttcagtt aagcttacct gtagaaaatc 480
caagtaactg gaactgttag gcattttcgt ggttactaga aacctaatat taaaaccctc 540
agaccactg aaaccatctg aggatacaag acacacagaa ttgagagagt agggctattc 600
taggaagtat aaactactct ggtgtgagct gtaagtcccc tttccccctc agtttgtggg 660
tgggtgcgca cacatcagtg agttggtaat tttagaatag 700

```

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<210> 410
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 410
ggcatttttcg tggttactag aaacctaata ctaaaaccct cagaccact gaaaccatct 60
gaggatacaa gacacacaga attgagagag tagggctatt ctagggaagta taaactactc 120
tgggtgtgagc tgtaagtccc ctttccccct cagtttgttg gtgggtgcgc acacatcagt 180
gagttggtaa ttttagaata gtttatgtct tttctttaat gcctaggcaa gccagaagac 240
agggccacag cttggccctg tgagggacag gcatttcctt cctgtctttg aatccaaact 300
gctgtcaact ctaccaccac cactcacat gcagagcccc tggctggctg ctagagcctc 360
agcaaaagcc agtgttagggt aggctggagg cccacctcca ttatttgttc tctccccca 420
caccaaggag acaattattg ctaattaatt ttcataactc agaataagta caaaaaatct 480
ttttcctcaa gatatttttg aaagtatttt taattcaaag agaccatgtt tcaaaactctg 540
tattttctca tttataatta ccactaaaaa tcatcaaagc acgtagggat actgattaca 600
gatcacaagt ttgtcatttt tgtagactat gatttagaca gtaatctgca gatgctttta 660
attgggatca gctgtctagg ctgacaacat aatacatata 700

```

```

<210> 411
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 411
gaaagtattt ttaattcaaa gagaccatgt ttcaaactct gtattttctc atttataatt 60
accactaaaa atcatcaaag cacgtaggga tactgattac agatcacaag tttgtcattt 120
ttgtagacta tgatttagac agtaatctgc agatgcttta aattgggacg agctgtctag 180
gctgacaaca taatacatat atgcatggca tgttcttttt tttttttttt tttgagacgg 240
agtttcgctc ttgttgacct ggctggagtg caatggcacg atctcggctc actgcaacct 300
ccgctccca ggttcaagca attctcctgc ctcagcctcc cgagtagctg ggattacagg 360
cacatgctac catgcccagc taatttttgt atttttaata gagacggagt ttcaccatgt 420

```

```

taggctggtc tcgaactcct gacctcaggt gatctgcccg cctcggcctt ccaaagtgtc 480
gcgattacag gtgtgagaca ccatgcccag ctgcatggca tgttctttaa gcaaaaactg 540
caaactatga aaatgagtta gataatgtaa gcactctatt ctatgatttt agaattttat 600
ttaaaaaaag tcaagggcct agaggtgtta tcaagtgtaa tcttctgcct tgatctgaaa 660
gcagaaagct caagtatctg tgacatcttt gttacaaacc 700

```

<210> 412  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 412
accatgccc a gctgcatggc atgttcttta agcaaaaact gcaaaactatg aaaatgagtt 60
agataatgta agcatctatt tctatgattt tagaatttta tttaaaaaaa gtcaagggcc 120
tagagggtgt atcaaagtgt atcttctgcc ttgatctgaa agcagaaagc tcaagtatct 180
gtgacatctt tgttacaaac ctgtgcacag tgaaggatcc agccttggtc cccaaggatg 240
ccatattcct gattctttaa aacttcattc ctcttcctga tttccaatgt aggctgtcct 300
cacagagcct tacctgaagc cagatggcct gacccagcag ctaagtcttt gtgtatgctg 360
tggtagggac ttagttctat gaggggctac tttcttaatg agactcctta ctatactgga 420
atattcattc tagcttaagc tagaatctgg tttgcaatac tattatgtca ttgattctga 480
aacatcttat ggttataaatt gcattttttc attcctgctg gcacataaaa tagtggtatg 540
tcttataact gatgagacag tgaccttatt ctgataagga gtgccatgaa aactctaacg 600
ggctcttcagc ttcttggtct acatttagcc tatcctgtga gaatgcttca ggcccttctt 660
ttaaaagtct acataatgtt gcaggaaatg ttggttagct 700

```

<210> 413  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 413
tgcatttttt cattcctgct ggcacataaa atagtggat gtcttataac tgatgagaca 60
gtgaccttat tctgataagg agtgccatga aaactctaac gggctctcag cttcttggtc 120
tacatttagc ctatcctgtg agaatgcttc aggcccttct tttaaaagtc tacataatgt 180
tgcaggaaat gttgggttagc ttcaggagag tgtaataata gtagctgagc ctgattcatt 240
ttatatagca gcaaagagct tcccaccatt caggtgtagc cttgggtgct tccactgcac 300
tgatgtttgt ttctctcttt cagttacttg ggtgagttgg ctccccaggc ttttgagata 360
cctgcctttt gtccagcact gcacgtcct cgcataatcca aggctgtgtc tcccttcagc 420
atcaccactc ggtagttata attccgcctt ttatcagaag ctgatacatt ttcactgcgc 480
tcagaccgta tttctatgta ttcaatatct gacacaggaa gaagaatatt ttagaggaaac 540
ctatgctctg tagccttttg tcattttaca acatatcaag taagcctagg aacaacagat 600
gaggctgaca ttaccagagg aaaacaatgg ctggtgtgga aactctttct ctggctggga 660
ggattcaaga gcctggtggt ctggccagaa gcaaccagaa 700

```

<210> 414  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 414
attcaatatc tgacacagga agaagaatat tttagaggaa cctatgctct gtagcctttt 60
gtcattttaca aacatatcaa gtaagcctag gaacaacaga tgaggctgac attaccagag 120
gaaaacaatg gctggtgtgg aaactctttc tctggctggg aggattcaag agcctgggtg 180
tctggccaga agcaaccag atgccccagt tctcagcct caactctttc ttagtttccc 240
tgttaaagat ttcctccagg ccaggcgcgg tggctcacgc ctgtaaacc aacactggga 300
ggccaagggt ggcagatcac ctgagggcag gagtttgaga ccagcctggc caacatggtg 360
aaaccccatc tctactaaga atacaaaaaa ttagccagggt gtgggagcgc gcacctgtaa 420
ttccagctac tactcgggag gctgaggtgg gagaatcacc tgaaccagag aggtggaggt 480
tgcagtgagc caagattgca ccactgcgct ccagcccggg tgacagagaa gtgcgagact 540

```

```
ccatctggaa aaaaaaaaaa gaaaaagaaa aaaaaaagag tttcctctgg atgggttttc 600
ttattgcatt ttggcttata cctatctaca ctatgacaga acctattatg tcatcagcta 660
aatataatgc ctactgcagt caaatatgta agtcctgtta 700
```

```
<210> 415
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 415
accactgcgc tccagcccggt gtgacagaga agtgcgagac tccatctgga aaaaaaaaaa 60
agaaaaagaa aaaaaaaaga gtttcctctg gatgggtttt cttattgcat tttggcttat 120
ccctatctac actatgacag aacctattat gtcactcagct aaatataatg cctactgcag 180
tcaaataatgt aagtctctgtt aggcctctgga acagaaaact ttacattttc ttgctacaag 240
atgttgccaa gataagaatt cttagaaaat ctcaaagaca tgcttagaaa ggggtccagg 300
gaggtaatgc tggcatgatg agagggtcata aggggaagag ctgcggagag ggctttggaa 360
agagcatttg tgatacacca tgggtactcac cttgtccacg atagggtactt cgccacaggt 420
cacgtataat tttattgatt tcttccattt tcatactgtg aaatttcatt attgctctgg 480
aaaaggaagt cattgggtact tcataatata aaaaaataat tatgtgtaat agtaatat 540
aaatacataa aatatataat atataaaaaa tagaaatata aataacttcc tcaatatatt 600
caatggtaaa agtagaatat agtaagagct acaaaaataa acagcagcaa aactttgctg 660
cttggctaata actgaaaatt ggcaggctta tttctagtgc 700
```

```
<210> 416
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 416
ttcatatata taaaaaataa ttatgtgtaa tagtaatatt aaaatacata aaatatataa 60
tatataaaaa atagaaatat aaataacttc ctcaatatatt tcaatggtaa aagtagaata 120
tagtaagagc tacaaaaata aacagcagca aaactttgct gcttggctaa tactgaaaat 180
tggcaggctt atttctagtg ctccaggggt acccttctcc atattcactc tctaggatac 240
aacaataact cctttacgta aatacttaaa tactgtgaaa acttcaggaa acataatttt 300
ttagactttt ttcttaggcc gtggtaactt attggaggga atgcttccac tgatactcac 360
gggtcacagg aaggcctgct gaatggacga cagggaagta aagggtagaa ggtttacggt 420
tagccaaggg gcctgcagtc tatggggaaa ataggagaat cgaactgcc ccttgcctct 480
cttctatcac tggttaaggct taccaaaagt cagcttctta tgttgggttt attcctcaga 540
tcttagattt ttaccaactg gaagcttttg ttcagcgaga atgatttaga agcttaagct 600
gaactgacat caaaatttta ttttaccttt ccttcacaga ttcagaaatc ctaattctaa 660
atattaactt ccatatttat attccaaatc ctaactctaa 700
```

```
<210> 417
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 417
ttacccaaaag tcagcttctt atgttggttt tttcctcag atcttagatt tttaccaact 60
ggaagctttg gtccagcgag aatgatttag aagcttaagc tgaactgaca tcaaaatttt 120
attttacctt tccttcacag attcagaaat cctaattcta aatattaact tccatattta 180
tattccaaat cctaactcta agcactaaat tccacttagt ccagacatgt ccctgtcctc 240
aactctcttt taaggttagta gtttctaacc actaaaaaca aagaggagaa atgtttgtaa 300
aagcaaaagt agcctgtcaa aacctaacat tgttcccacc acagtcacct ttcatacaaa 360
agcccttagg ttctttggaa gcgggtttat gaactaataa atgttgacc agtggtaaaa 420
aggcaaacat tactgcgac atcatacaaa ggatgtgagg atgtgaggcg acttacttcc 480
atgtgcaggc ctcttatctg atgcatacaa aaaaagaaac tgaatataat gctactgcct 540
ctgtagaatc atttcgtgat cttctgggtt accagcaaga gagaaagaaa tgactcaaca 600
taaatacatt ttaaatatca gatgaaggac tgtgaagtag tagaagactg gaaaaacca 660
```

tattctgctt gttgatgaga atgcaacaag tctccatttt

700

<210> 418  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 418  
 gatgcataca aaaaaagaaa ctgaatataa tgctactgcc tctgtagaat catttcggtga 60  
 tcttctggtt caccagcaag agagaaagaa atgactcaac ataaatacat tttaaatatc 120  
 agatgaagga ctgtgaagta gtagaagact ggaaaaaacc atattctgct tgttgatgag 180  
 aatgcaacaa gtctccattt tctaccttat acatttatct cagcctaaca ttttatgctc 240  
 ctttcaaaaag gagacaaaac atctaagtat ttcctaaaaa caaaacaaaa ctgatggaat 300  
 gttagaccaa tcatgtaaag actgcctttc catagcttat atatcatgat cctgattttt 360  
 caaatgacat taaaaaaaag ttatctttcc attcaagtta aaaatcttca aaaactaaca 420  
 taagcattct aatgtggaga acaagctcca gacaaggcag ggggtggcaa ggcgcacacg 480  
 tgcagtctgc cttggctccc ttatacaaca caggtggtgc atcctgtccc atggccaggt 540  
 ctgctgagac acagcactgc gggaaaaaga tctagtccag ggagaggtct caaccaccca 600  
 aagagtgtgt cggatggagt tgatgactac cactgtggga cggaccatta actcatcttc 660  
 gtatcctctc tgtctactat ggaatttaca gctgtactgt 700

<210> 419  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 419  
 cttatacaac acaggtggtg catcctgtcc catggccagg tctgctgaga cacagcactg 60  
 cgggaaaaag atctagttca gggagaggtc tcaaccacc aaagagtgtg tcggatggag 120  
 ttgatgacta cactgtggg acggaccatt aactcatctt cgtatcctct ctgtctacta 180  
 tggaaatttac agctgtactg tgtaagagat ggggatgact aaggctcgta cagtaatcta 240  
 cataagggaa taacaatgat aataatgatt attattgatg accatttacc atatgcgaga 300  
 caaaactatg ctaaaataatc aatttcattt aatccttacg acaatactgg gaattagata 360  
 ctgttatctc tatttaccat taacaaaact aagattcaat gaaatcagtg acttggtcaa 420  
 gatcagagaa aagtggctag gatattaaca gcccttgaat atgacagtta aaattgaaaa 480  
 ggcagtcaaa attccatctt ttaaagccac cagactcagt tttatgaggg aatgttatca 540  
 aatcttcaag acacacctag ctcccaagta tataagggtat gacacagcaa ggagaaacat 600  
 aaggggaaaa aagtacaagg ctatttttct tatgaatata aacattctaa ataaaacgaa 660  
 atttagtagt aagggtagta aaaagaatat atcatgacca 700

<210> 420  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 420  
 tttaaagcca ccagactcag ttttatgagg gaatgttatc aaatcttcaa gacacaccta 60  
 gctcccaagt atataaggta tgacacagca aggagaaaca taaggggaaa aaagtacaag 120  
 gctattttttc ttatgaatat aaacattcta aataaaacga aatttagtag taagggtagt 180  
 aaaaagaata tatcatgacc aagtagtggt tacaacaaga aagaaacagt aaaactgggg 240  
 aaaataattc aactaatata gtagcagatt aaaaagaaaa aaataatttt tcaatagatg 300  
 tcataaaaaac atttgataca ctgtaacact gaattttgat aaaatatctt aagtgaaaaa 360  
 tcaaagaatg ttttcttaac tggacaaaat gactccctca gatatccaca gcaagcatca 420  
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 tcaaatccct acctaaaaag aaatgagaaa tgaaaaaaag agagaaaagc ctgtcattat 600  
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 cagactaatg agatagccag agataaatat ataaaaatga 700



<210> 421  
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 <212> DNA  
 <213> Homo sapiens

<400> 421  
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 aaggaaatga ttgagcagga gatgcatact aaggagtcca gaatggtaga tgtgatatta 420  
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 aataaaatta aaaaatgctt aacagaatcc ataagctgac tctaaagtcc atatagaaga 540  
 gataatacaa aagaaaaaaa ataaatttta aaagttggta taaaaaggaa aatccagaaa 600  
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 <212> DNA  
 <213> Homo sapiens

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 aacgttagtt tataactgca acagttcaaa tcaactggaa agttttcaac agtggtacaa 180  
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 ggtgacagag taagaccctg tctgaaaaaa caaaaaacaa aaaacaaaag ctaaggtaaa 540  
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<210> 423  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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 ataaatcaaa agactaaaga tttgactacc taaaaattaa aagttacaaa agataccata 180  
 aagaaagctg aggcagctgg gtgcggtggc tcacacctgt aatcccaaca ctttaggagg 240  
 ccaaggcagg cagatcactt gaggtcagga gtttgagacc agcctgacca acatggtgta 300  
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 gaataggtac ttgcaatgta tgtgaaaata attaacatct agaactctatt aaaatgtgac 600  
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 tggagaagaa atacaaatag acaacatata aaaagacatt 700

<210> 424  
 <211> 700

<212> DNA  
<213> Homo sapiens

<400> 424  
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 ctagtagaaa aactggcaaa gagatatgaa taggtaatc ttggagaaga aatacaata 180  
 gacaacatac aaaaagacat ttaacttcac tagtaaagag ggaaatgtaa attaaagtgc 240  
 aagctttttt tgtgcagcca ataaaatgtc agtaacaaaa tccagacatg gaatgggcac 300  
 tttcatatac tattggtgga aatttttctaa gtgttttttag aaggcaattt ggcattaact 360  
 aaaaaatata cataacatct gagccagtaa ctccatttct aggaagctgt ctttttgaca 420  
 tatctgcttt agtgtgcaaa gacacactct gcagcattat ctgtagtagc acatatataa 480  
 aagcttttcta atatgttcaa tagtggttaa ataaagtaga tatcatgcat tttacagaat 540  
 atgcagccat taaaaataca aggtacttga atatatgaac gtaaaagatt atcaccacgt 600  
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 aaagatgtat ttgggtgtac tatgtgcaaa gccattgtga 700

<210> 425  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 425  
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 agaaaaatat ctaccttggtg ataatgctta caaagaacaa aaaagatgta tttgggtgta 180  
 ctatgtgcaa agccattgtg agggaaatga aaatatgtca ccaacttaat aattccttaag 240  
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 ctgtgggttg cagttatgga gcgtggggaa gcccaaatat ctgtaataca aggctgaatg 360  
 gcttttagttg tataagtggt acaaaatatt attaagtaca aaggtaggaa aaaaatcaca 420  
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 aatatgggac aaaattgttt ggtagaaca cacttggttag taggaattga aatgggaaag 540  
 cccaggtatg gaagtcattc ctaaaattag aagggaatag ggaccaccag ctttaggaaa 600  
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<210> 426  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 426  
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 aatgggtgga ggtgggggta ggaaggacgg taagagataa gaggtgggaa aggtgccacg 180  
 gtaatatggtg agagttactt aggtgaagc catggaaaga aggcagctct gggctgggtg 240  
 cgggtggctca cacctgcaat cccagcactt tgggaagcta aggtgggagg atagcttgat 300  
 cccaggaagt caaggctgca gtgagctgtg atcatagcac tgcactccag cctgggtgac 360  
 agagtgaagt cctgtacaag aaccctatag gagctattga gtgacatata gtggcccaat 420  
 taacttaaca cgcttttatc acttggaactt tacaggcatt taacatcaaa taacttacag 480  
 aatgaccttg aaagtccatg actgtctggt gaggcaaaga tttgaatttc atgggctgca 540  
 aactgttatg gtcaagtagc catctggcta gtgtatcagc tccaccacct gcctggagta 600  
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<210> 427  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 427

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tgcataact  aactcatgcg  aagtagtatg  atttctttgt  gaaaactggc  tcttaaagtg  180
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aaatcacttg  aggtcagatg  ttagagacca  ccctggccaa  catggtaaaa  ctctatctct  300
actaaaaata  caaaaattag  ccggtgtggg  ggtgggcacc  tgtaatccca  gctatttggg  360
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caagaatgaa  ctccagcctg  ggtgacagag  ccagactctg  tcttaaaaaa  aaaaaaaaaa  480
aaaagtgaga  ctctctcgga  gctcagaaaa  taatgattta  taaattactt  tagtctgata  540
tttaataact  cattaagagt  ctgaaagatt  tcattaaaaa  tttcagtaac  aatcgattgc  600
attttatgag  gaaaaatgat  ggctttaatg  gcatttatat  ttctggtaat  ccatgaaagt  660
cttaacaagc  ttgtccagcc  tgccttattt  tgttgttctg  700

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&lt;210&gt; 428

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 428

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agctcagaaa  ataatgattt  ataaattact  ttagtctgat  atttaaatac  tcattaagag  60
tctgaaagat  ttcattaaaa  atttcagtaa  caatcgattg  cattttatga  ggaaaaatga  120
tggctttaat  ggcatttata  tttctggtaa  tccatgaaag  tcttaacaag  cttgtccagc  180
ctgccttatt  ttgttgttct  gttttgttct  aggcttttag  cagactgaag  ccatggtttt  240
tagttttgtc  tctagtgatg  agcagaaaag  agggatgagg  aagaggcttt  actggtccaa  300
ccagaaagag  aagctaagaa  cccatgactg  gattctctcc  cttggacacc  ccacagacca  360
atatctcacc  ttccaggaga  agacccttcc  agctcttgct  tctttaaacc  tattaactta  420
gttttcttta  gctagactcc  caaacatcag  cttttacaat  tcagcctatg  gttcaatcac  480
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agagatggtg  actctaaggt  gagccctgaa  taaagccctc  atctgaagct  cccctcgaat  660
gcagggaccc  aggctctgaa  gagcctcaca  gaaagctggc  700

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&lt;210&gt; 429

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 429

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gttttaggtgt  gaaacaccac  tggctatctt  tgggttttgt  aatctaccct  cttgaggttg  60
caggagctac  tgtgaaacct  tactgcatcc  atggctatga  tagagatggg  gactctaagg  120
tgagccctga  ataaagccct  catctgaagc  tcccctcgaa  tgcagggacc  caggctctga  180
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tgagtcttaa  aagaagcatg  acctggccag  gtgcgtggct  catgcttgta  atcccagcac  300
tttgggaggc  caaggcaggt  ggatcacaa  gtcaagagat  caagaccatc  ctggccaaca  360
tggtgaaacc  ccgtctctac  taaaaatata  aaaaattagc  cgggtgtggg  ggcaggcgcc  420
tgtaatccca  gctacttggg  aggccgaggc  agaagaattg  cttgaacccg  ggagggtggg  480
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gtctcaaaaa  aaaaaaaaaa  agtattacct  aatatgcaac  cttccacatc  tggggaaaaa  600
tgagagtaga  acattttggg  catggggtag  aacaccatat  cttgagtgat  atattctaac  660
atcatttaaa  ttggtatatt  gtattagtat  ggggtaatac  700

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&lt;210&gt; 430

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 430

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gcaccattgg  agtccagcct  gggcaaaaag  agcgaaactc  tgtctcaaaa  aaaaaaaaaa  60

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aagtattacc taatatgcaa ccttccacat ctggggaaaa atgagagtag aacatttttg 120
gcatggggta gaacaccata tcttgagtga tatattctaa catcatttaa attggtatat 180
tgtattagta tggggtaata cattccaaat gatggataat ttcccccttt tcactctatgt 240
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<210> 431  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 431
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agaatccatc tgagtaccag gtaagagaac tcagtaaaaca gcctggcttt gttccttaac 120
aagcctaaat tgctagaaag cactcctgta cctctccacc ccgccaggct ccaccaagct 180
ccctcatagg tctcattctt gctcagcatg cctctgtgac tgaggcactt ttctctgctg 240
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ggctctccatc agacagactg tcagcagttt ggaggaggga cagggaaga tattcctgtt 360
ttcccagagc ctgacaagaa agtggcagag caagggttgt tgaattcttt tttatttttt 420
ctcttatagc ctaatcttgg aagtgaaggg aattcttatt cctgctgcca ctggttctca 480
gggtatgcag ggatagctgg agagctccta cgtatgtttt tctattcagt gaatacatat 540
gaaaccccag gtctgcaggc caatgggctg taagagaaga gctgacctg cagcaaaata 600
cttacaagta aaattgaaaa caaaaccaac tgcctattt aacttggtcc ctggtccact 660
ctaaccattg cccattttt cttgctcccc gtcacaggag 700

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<210> 432  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 432
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tcaatgggct gtaagagaag agctgacctt gcagcaaaat acttacaagt aaaattgaaa 120
acaaaaccaa cctgcctatt taacttggtc cctgggtccac tctaaccatt gccccatttt 180
tcttgctccc cgtcacagga gaagtgtgta taagaattat ctatattctc tgtctccatt 240
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tggcacgata ttggetcact gcaacctccg cctcccgggt tcaggcgatt ctctgcctc 360
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tttttagtaga gacgtggttt ccccatgttg gtcaggctgg tctcgaactc ctgacttcag 480
gtgatccacc cgccctggcc tcccaaagt gctgggattac aggtgtgagc caccgtgccc 540
ggctgctgtc tccatttctt actaccatt ctctccccac ccaacttgac cgggcttcag 600
ttccaactgt gccactgact gctcctcagt cattaacaac ttccattttg tcaaatttaa 660
gggccacttc ttagtcctta tcttatttga ctccaaatag 700

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<210> 433  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 433
ctcccaaagt gctgggatta cagggtgtgag ccaccgtgcc cggctgctgt ctccatttct 60
tactacccat tctctcccca cccaacttga ccgggcttca gttccaactg tgccactgac 120
tgctcctcag tcattaacaa cttccatttt gtcaaattta agggccactt cttagtcctt 180

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atcttatttg actccaaata gcattagatt cttgatatat ttgcttcaact tggttttcaa 240
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aacataacta gtggtgggac ctttcccttc tctctctatg ctcatccac atgtgatctc 360
atctcatggg ttaaatgccg tggatatgct gatgactccc cagtgtacac ctttcaacttg 420
aactctaggc tcgagggtat atatccaact gcctgcttga cagctctgct tagatatcta 480
caggcacttc aaacttaaag tgtacaaaac ggaactactg attttctctc ccagtccca 540
cccatTTTTag ggaatggcaa cctgttctcc caatatcctg ttgttcaagc aaaaatatgt 600
aggagcaacc tttgggttatt ttactttccc tcccttacac tcaattcaga agcaaggcct 660
gtcaactctc tctccagaac aaatcccaag tctatcactt 700

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&lt;210&gt; 434

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 434

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gtgtacaaaa cggaactact gattttctct cccagtccc acccatttta gggaatggca 60
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tttactttcc ctcccttaca ctcaattcag aagcaaggcc tgtcaactct ctctccagaa 180
caaatcccaa gtctatcact tctctccatt ttcactgcta ccacctgatc tagccacca 240
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gctgcagtaa ctattctctc tacctggaac gcctgcaccc cattttttgc atatcttgct 600
cccttctcat caatcaggct ccagcttaaa ggcccactcg ttatgctcac attgttcatt 660
ttcactgtaa tacctaccac tactacctat tttgttatta 700

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&lt;210&gt; 435

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 435

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tcctggtcct tgaacacttt ctgttcgtac tggctctggc tgctgcagta actattctct 60
ctacctggaa cgcctgcacc ccattttttg catatcttgc tcccttctca tcaatcagg 120
ccagcttaaa aggcccatct gttatgctca cattgttcat tttcactgta atacctacca 180
ctactaccca ttttgttatt aatttatctt ttaattttgt ttcttcatcc ttatatact 240
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atacaactat gtattatgta cacaagcacc tcaactgaaga gttacaaaat atatagaa 360
aagtatatgt tctaaaccag gaagtataag taacagttaa aatgctttta tataaata 420
agttttttta cgtttataaa aaaagggtat gcccgtaat ccagcacttt gggaggctga 480
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cgtttctact aaaaatacaa aaattagccc agtgtggtag cacatgcctg taatcccagc 600
tacttagaag gctgaggcat gagaatcgct tgaacccaag aggcagaggt tacagtgagc 660
agagatcacg ccactgcact ccagcctgag agagctgaga 700

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&lt;210&gt; 436

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 436

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gccaggagtt caaaactagc ctgggtcatca tggcgaaacc tcgtttctac taaaaataca 60
aaaattagcc cagtgtggta gcacatgcct gtaatcccag ctacttagaa ggctgaggca 120
tgagaatcgc ttgaacccaa gaggcagagg ttacagtgag cagagatcac gccactgcac 180
tccagcctga gagagctgag agaaccagtg agactccgtc tccagaaaaa taaaaaaaaa 240
agcagggggc cactatggta gcagcatgtc acagtgggtc tgatatctaa ttttatctct 300

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accattttacc tgggtaaatct tgggtagcct gcttaaatctg tctgataaat acttgccctt 360
taaaacagag ttagatacaa taattaaatc gattatgcta tcatgtagta ttcaattgct 420
attattgtct tctatgcaca gccctcaacc tcaaagaatg tttaaatggg aacagaaacc 480
tacgttttct taatgaattt agttcttttag tgctattaaa gaatagagaa tttagaact 540
taactttacat taaagaatgg aacatgacaa aggaagctgg actaaatcgc ctctgagctt 600
ttctgactct atactgaata atagtataga tttttaaaaa ttctatttta tagatgagga 660
aacggaaact cagagtgtct aaataatttg ctaaatatct 700

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<210> 437
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 437
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aatagtatag atttttaaaa attctatttt atagatgagg aaacggaaac tcagagtgtc 180
taaataattt gctaaatata ttcagtcagg actcaaaatc accactatgg agaatagtat 240
ggaggttcct aaaaaaacta aagacagaac taccatatga ttctgcaatc ccacttactg 300
gatattttacg caaaggaaat gaaatcatta gggtgaggag atatctgcac tcccatattt 360
attgcagcac tgttcataat acctaagatt tggaaagcaac ctaagtgtcc atcaacagat 420
aaatggataa agaaaatgtg gttcctctcg ggcgcggtgg ctcacgtcta attccagcac 480
tgtgggagggc tgaggcgggt ggatcatttg aggtcaggag ttcgagatca atatggccta 540
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ctgtaattcc agctactcgg aggctgaggt ggaggttgca gtgagctgaa atcacaccac 660
tgcacttcag cctgggagac agagactccg tctcaaaaaa 700

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<210> 438
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 438
tggatcatth gaggtcagga gttcgagatc aatatggcct acatggcaaa accctgtttc 60
tactaaaaat acaaaaatta gccagggtgtg gtggcaggaa cctgtaattc cagctactcg 120
gaggctgagg tggaggttgc agtgagctga aatcacacca ctgcacttca gcctgggaga 180
cagagactcc gtctcaaaaa aaaaaaaaag ttgttcatat atacaatgga gtgctattca 240
gccataaaat aaaatgagat cctgtcatct ggaataacat ggatggaact gaaggacatt 300
atgttaggtg aaataagcca ggcacagaaa gacaaacttt gcatgttctc attcatttgt 360
gggagtgaat aattaaaaca attgaactca tggagatagt ggagatgata gttaccagag 420
actaggaagg gcagtggaga tgggttaacaa gtacaaaaat atagtaagaa taagatctag 480
tatattatag cacaacagag tgactacagt caacaatgta ttgtacattt aaaaataact 540
aaatagtata attggaatgt ctgtaacaaa aggaaggata aatgcttgag gtgatggaaa 600
cctcatttac cctgatgtga ttattatgca ttgtatgcct gcatcaaaat atctcacgta 660
ccacataaat ataccggcta tatagccata aaaaataaga 700

```

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<210> 439
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 439
gtgactacag tcaacaatgt attgtacatt taaaaataac taaatagtat aattggaatg 60
tctgtaacaa aaggaaggat aaatgcttga ggtgatggaa acctcattta ccctgatgtg 120
attattatgc attgtatgcc tgcatacaaa tatctcacgt accacataaa tataccggct 180
atatagccat aaaaaataag aataaaactt tttttaaaaa aaagaattcg gccgggcgcg 240
gtggctcacg cctgtaatcc cagcactttg ggaggccgag gcgggcggat cagcagggtca 300
ggagatcgag accatcccgg ctaaaacggg gaaaccccggt ctctactaaa aatacaaaaa 360
attagccggg cgtagtggcg ggcgcctgta gtcccagcta cttgggaggc tgaggcagga 420

```

```

gaatggcggtg aacccgggag gcgagccttg cagtgcgagc agatcccgcc actgcactcc 480
agcctgggagc acagagcgag actccgtctc aaaaaaaaaa aaaaagaatt caaaatctgg 540
acatctgttag tggttcagaga cagcactttt aaccatgtat tatggacttc tgaggctttt 600
taaaaaaggt aaaacttatt atgttgagct tttatacaaa gtccaatgtc ttgcttttaa 660
tatccatttt tattttttcca tcacaaccaa cttatcttat
700

```

```

<210> 440
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 440
gactccgtct caaaaaaaaaa aaaaaagaat tcaaaatctg gacatctgta gtgttcagag 60
acagcacttt taaccatgta ttatggactt ctgaggcttt ttaaaaaagg taaaacttat 120
catgttggac ttttatacaa agtccaatgt cttgctttta atatccattt ttattttttc 180
atcacaaaca acttatctta ttccaaatag aagttttggg gatttttttt tttttttttt 240
ttttgagaca gggctctctt ctgtcaccca cgctggagtg cactggcaca atcttggctc 300
attgcaaccc gccacgggct tctgagtagc tgggattaca ggtgtgtgct accacgccc 360
gataattttt gtattttttt gtagtgatgg ggtttcgcca tgttgcccag gttggtctca 420
aactcctgga cttaagcaat ccaccactt tggactccca aagtgcagg attacaggcg 480
taagccacta agcctggcaa aataggtttt taccaacaaa aatctgtttt gatttgtgtc 540
tcttcaataa aactataata tcttgctag aagttactgg atctcctatt ccttaatgct 600
caatgaatgt ttgataagtc tattagatac acagcatctg ttgttaaaga actaagaaaa 660
actaaaaagt cccctaaagg cataaatgag gtagctgaga
700

```

```

<210> 441
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 441
aaataggttt ttaccaacaa aaatctgttt tgatttgtgt ctcttcaa ataaactataat 60
atccttgcta gaagttactg gatctcctat tcttaaatgc tcaatgaatg tttgataagt 120
ctattagata cacagcatct gttgttaaaag aactaagaaa aactaaaaag tcccctaaag 180
gcataaatga ggtagctgag aagactaaaa agaattatta aaggcaaaaa aaaccaaaaa 240
acaaaaaaca aatatatgta tgtgtagtct actgggcaag aattccttaa gttttgctta 300
tggtcttggt tcagcacctt aaattccaag actaaccact ttaaactgct ggatctaata 360
tctaggagag atggcaatat tcaaagaagt taaaaacaaa aagttctcat ttggtgcagg 420
catataattc tatgagccat tttggaccca gggaacattg taatgttaac gtaccactc 480
acaatgaaat gggacaaaag atatatccat ggaatactct caaaaaattg ttttaaaagt 540
taaacttaat ctaacaaaaa tcttagtata atttattttt aaaaaataac atgttaattg 600
gctcactccc aatatttcac agtaaatgga tctaatttgt cttacatgat tacgtacttc 660
ctaaaacttg tatatgccaa aaatatgcct aggcaattct
700

```

```

<210> 442
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 442
gatatatcca tggaatactc tcaaaaaaatt gttttaaaag ttaaacttaa tctaacaaaa 60
atcttagtat aatttatatt taaaaaataa catgttaatt ggctcactcc caatatttca 120
cagtaaatgg atctaatttg tcttacatga ttacgtactt cctaaaaact gtatatgcca 180
aaaatatgcc taggcaattc tgggaccacc tttgttatca tctaacta aaaaagtcct 240
catactgaaa ccagagttct cctgtcttcc tgagccctgt ggtctgaatg ccactgctca 300
ggttggtctg ttgactatgc tgtatctgac cagaagtctt agaagagaag ctctctgtgt 360
aactctctta gtgctaagga agatatttgc cattctggaa aaaacaacca ccacaaaaat 420
ctaaggtaag taataattct cctgccacaa atgaacagaa ctactagata gacttataac 480
aaaacttatt ttaaattcat agttgagctc acaagaaaga aagggaatc cctacataat 540

```

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agaaacgaag atagaagtga aaaccagacc agtcagtatg taacctgaca gacaaactaa 600
acttgggggt attattatta ctgttattgt tagttttgag acagagtctc gttctgttgc 660
ccaggctgga gtgcagtggg gcaatcttgg ctactgcaa 700

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```

<210> 443
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 443
tagttgagct cacaagaaag aaagggaaat ccctacataa tagaaacgaa gatagaagtg 60
aaaaccagac cagtcagtat gtaacctgac agacaaacta aacttggggg tattattatt 120
actgtttatt ttagttttga gacagagtct cgttctgttg cccaggctgg agtgcagtgg 180
tgcaatcttg gtcactgca acctctactt cccagttcaa gcgattctcc tgctcagcc 240
tcctgagtag ctggcattac aggtgtgcac cactacagcc agctaatttt tgtatttttt 300
ttagtacaga cggggtttca ccatgttggc caggctggtc ttgaactcct cacctcaagt 360
gatccgcca cctcggctct ccaaagtgct gggcttacag gcatgagcca ccgtgcccag 420
ccatgaactt ggcgttattg tttttataac ctagggtatt gttcttatca tccaggacag 480
aagatgaagg ataggacca agtaaggaa aagattagaa gtgactccca acacacaaaa 540
aatgggactc ttcaagagct ataacatcaa tcctcaatga aagagtggaa aattaatgag 600
ttgaaaattc aaagtcttgg gcaaattgct tatatagttt tggggttcaa agttatgcta 660
ccagtgaagta tagtctagga acctaccaac taagaaatta 700

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<210> 444
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 444
aagtaaggaa gaagattaga agtgactccc aacacacaaa aaatgggact cttcaagagc 60
tataacatca atcctcaatg aaagagtggg aaattaatga gttgaaaatt caaagtcttg 120
ggcaaatgct ttatatagtt ttgggggttca aagttatgct accagtgagt atagtctagg 180
aacctacca ctaagaaatt aacaaaaacc ctacatgcag gccaatgttt tctctggagc 240
tcttagttaa tataaaacca aaatttctgt gtagatggac ctctacaagg aaaggtcaca 300
agggagtctc atagaaaaaa caacactact aaagataagc acacaattaa atgttaataa 360
aacacagaaa cttcactagg ggatagaatc aacatacaaa acagcagaag cagactcctc 420
aaaatgtgaa attaaaaaat aacaatctga aagagaatat aaaatgtgta tagttaaaat 480
gagtaaaagac acattcaaga aggaatcaaa atactaagga agaaaataca tcataagcct 540
ggcacagtgg ctcacatctg taatcctagc actttgggag gcctaggtat aaaatgtgta 600
taaaatgagt aaagacacat tcaagaagga atcaaaatac aaaggaagaa aatacatcat 660
aggcctggcg cagtggctcg catctgtaat ctagcattt 700

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<210> 445
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 445
aaggaaatcaa aataactaagg aagaaaatac atcataagcc tggcacagtg gctcacatct 60
gtaatcctag cactttggga ggcctaggta taaaatgtgt ataaaatgag taaagacaca 120
ttcaagaagg aatcaaaaata caaaggaaga aaatacatca taggcctggc gcagtggctc 180
gcatctgtaa tcctagcatt ttgggagacc taggcaggag gatcgcttga ggccaggagt 240
tcaagaccag ccggggcaac atgacaaaac cccatctgta ataaaaatac aaaaattagc 300
cgagtgggtg catgcatctg taattccagc tatctgggag gctgaggaat gagaactgct 360
tgaactcagg aggtggaggc tgcagtgagc cgagatcatg ccactgcact ctagcctggg 420
cgacagagcc agactctgtt ttaaaaaaaa aaaattataa aaaaaccatg tgagtttctg 480
aaaaagaaca aaatagaact tatagaaaaa aatggaggaa aaaatgacaa ctcaatagcg 540
agtataagta gcagctaaat aattttattt acaagatatt taccagagc ccagtatatg 600
caagaggggt taagcaatgt agaggaaaga ggaggttatg tctaataaaa agtgaagaag 660

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gggaaaatag tgagaaatgg agaaagaata atatttgaag

700

<210> 446

<211> 700

<212> DNA

<213> Homo sapiens

<400> 446

ttatagaaaa	aaatggagga	aaaaatgaca	actcaatagg	cagtataagt	agcagctaaa	60
taattttattt	aacaagatat	ttacccagag	cccagtatat	gcaagagggg	ttaagcaatg	120
tagaggaaaag	aggaggttat	gtctaataaa	aagtgaagaa	ggggaaaata	gtgagaaatg	180
gagaaagaat	aatattttgaa	gagataatgt	atgaaaaatc	cccaaaattg	atggaagata	240
tcaatcctca	gatcaaaaag	cataatttat	gagcagaaga	actaaagctg	agtctagaca	300
cactattata	aaaatacaga	acactgaaga	caaagggaaa	aatcctaaga	gaaccagggg	360
aaaaaggcag	attacttttta	aaggaataat	taaaatgatt	tctcaactgt	aaccatagag	420
gccaacaaaa	aatgaaatat	tttcaaagt	ccaagagAAC	aaaactgtca	atctagaact	480
ctatgctcag	ctaaactatc	aaattaagg	gaaaaacttc	tcaaagactg	attgtttacc	540
actaacagtc	attcactgaa	aaaactattg	aagaatatac	tccaaaaaaa	gaaaactgaa	600
cctaaagaag	ggaggagtgg	gatttaaaaa	gcaagaatga	acaaagaaat	tgggaaacat	660
gcgggccttat	gaaaccacca	caataattat	tactcatttg			700

<210> 447

<211> 700

<212> DNA

<213> Homo sapiens

<400> 447

caaattaagg	ggaaaaactt	ctcaaagact	gattgtttac	cactaacagt	cattcactga	60
aaaaactatt	gaagaatata	ctccaaaaaa	agaaaaactga	acctaaagaa	gggaggagt	120
ggattttaaaa	agcaagaatg	aacaaagaaa	ttgggaaaca	tgcgggctta	tgaaaccacc	180
acaataatta	ttactcattt	gtgatgattt	aaaaacaagg	taaaactaaa	atattagaca	240
aaagaaataa	tgcagatgag	agaagataat	tagtatttcag	gaaaaagata	aaacaattca	300
cattaaagct	atgggttttta	aactttgatg	tgcacagaaa	tcacccaaaa	tgtctgtcaa	360
aaatagactg	ctggggcccta	cctctcaaat	ttttgatcga	ggtctgggg	agaagctgag	420
aggcattttct	aacatgttcc	aagggtgatac	tgataatggt	gctccacgac	cactttgaga	480
actaatgcat	atgatttttaa	gtcaaataag	tattttaaaaa	ttaaaaaagta	aacactcaaa	540
taactaaagt	agaatacaac	cgatccttga	acacagggtt	gaaccatgtg	ggtctatggt	600
tatgtagatt	ttcttcacc	tctgccatcc	gagacagcaa	gactgacccc	tcctcttctt	660
cctcctcctc	ttcaatgtga	agaggacaag	gatgaagacc			700

<210> 448

<211> 700

<212> DNA

<213> Homo sapiens

<400> 448

agtcaaataa	gtattttaaaa	attaaaaagt	aaacactcaa	ataactaaag	tagaatacaa	60
ccgatccttg	aacacagggt	tgaaccatgt	gggtctatgt	ttatgtagat	tttcttccac	120
ctctgccatc	cgagacagca	agactgaccc	ctcctcttct	tcctcctcct	cttcaatgtg	180
aagaggacaa	ggatgaagac	ctttatgatg	attcatttcc	acttaacaga	aaatatattt	240
tccttataaa	ttttttcttg	tctccagttt	actttattgt	gaaagaatac	tgcatataat	300
acacataaca	tacaaaatat	atgttaatat	actgtttctg	ttatcagtaa	ggcttccagt	360
caacagtagg	ctatttagtag	ttaagttctg	agggaaatcaa	aagttatatg	tggatttctg	420
actgcgtggg	gggcttagtg	tcctaatcc	ccatgttata	tgggtcaactg	gataacccaa	480
agaaggga	aaggaggagt	caagaaaaat	aaatccatct	caaaaaggca	ggaaaggaaa	540
aaaagatggc	agaaataaat	ccaactcaat	tgagtaatca	gaatgaatat	gaaaggccta	600
aattcactgg	ttaaaagaca	gacatacact	ggataaagaa	aattctgcta	tatgtaatta	660
agatggtgag	agaaatggca	cagagataga	caaagtgatg			700

<210> 449  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 449  
 tcaagaaaaa taaatccatc tcaaaaaggc aggaaaggaa aaaaagatgg cagaaataaa 60  
 tccaactcaa ttgagtaatc agaatgaata tgaaaggcct aaattcactg gttaaaagac 120  
 agacatacac tggataaaga aaattctgct atatgtaatt aagatggtga gagaaatggc 180  
 acagagatag acaaagtgat gaattaagta gaacagagaa cccaggccaa cccaggcaca 240  
 taggggaattc tgatatatga cagaaatgac actgtaggtc actgagagaa ggatagtcta 300  
 caataaatag agccaagaca accagttatt cataacggaa aaaattcaac ttagaattaa 360  
 atacttaaat gtactttacat gtgaaaggca aaatttaaaa ctttttagaca aaaatataga 420  
 agtagggcgt ggcagctcac gcctgtaatc ccagcacttt gggaggccaa tacagggtgga 480  
 tcacgagggtc aggaaatcga gaccatcctg gctaacacgg tgaaacccca tctctactaa 540  
 aaatgcaata aaattagccg ggcgtagtgg cgggcgcctg tagtcccagc tactcaggag 600  
 gctgaggcag gagaatggcg tgaacctggg aggcagagct tgcagtgagc cgagatggcg 660  
 ccactgcact ccagcctggg cgactgagtg agactccgtc 700

<210> 450  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 450  
 agaccatcct ggctaacacg gtgaaacccc atctctacta aaaatgcaat aaaattagcc 60  
 gggcgtagtg gcgggcgcct gtagtcccag ctactcagga ggctgaggca ggagaatggc 120  
 gtgaacctgg gaggcagagc ttgcagtga cccagatggc gccactgcac tccagcctgg 180  
 gcgactgagt gagactccgt ctcaaaaaaa aaaaagatat atctctctct ctctctctct 240  
 atatatatat atatctttat atatatatat ctttatatat atatatatag agagagagag 300  
 agagagagag gagtagagag agagagagag agagagagag aggagtaggg aaggatttct 360  
 taacaagaca cacaaagagc taaccagaaa aggctgctaa attcaactaa ctcaaaatca 420  
 aatccagtgt catcaaaaga tgctaagtaa aaaagataag cataatgttt gaaaagacat 480  
 ttgtaataca tataactgaa aagggaattga aatgcagaag agataaagaa cacattttaa 540  
 tcaataagaa aagaccaata gggccaggaa caatgcctca cacctgtgac cccagcactt 600  
 tgggaggccg aagtgggagg aatgcctgag cccaggagtt tgagggttaca ctgaactatg 660  
 attgcaccat tgcactctag cctaggtgac aaagagagac 700

<210> 451  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 451  
 aaaggaattg aaatgcagaa gagataaaga acacatttaa atcaataaga aaagaccaat 60  
 agggccagga acaatgcctc acacctgtga cccagcact ttgggaggcc gaagtgggag 120  
 gaatgcctga gcccaggagt ttgagggttac actgaactat gattgcacca ttgcactcta 180  
 gcctaggtga caaagagaga ctctgtccca aaacacacaa aaagacaaga ctaataatgt 240  
 ataaacaacg attcatcatt ttaaacctat gaggttggca aacattaaga aatttataaa 300  
 accaatgtca gaggatccat caaataaacc cttatatact gctagtggta taaatcagta 360  
 gtcatttctg gaaaacaata ttattttgta aaattgagca tactccacaa tgcactccca 420  
 caaatataac cttatacctt tcctccagaa gacatgacaa gacctggaaa aaaaccccaa 480  
 atgtccatct gtaggagaat gaatgcattg tgggtctatt ccatagtaga ttatgtacat 540  
 cagtgaaaat gaatcaacta cggccataaa caacatggat aaacaaaagc aaatccaaat 600  
 aaaaaagcaa gtcctagaat atcatatcat ttttaaaaag ctcaaaatat gacatatata 660  
 tgataaaaact gtttttttaa aaagcagaga aagtaaaaat 700

<210> 452  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 452  
 tgaatgcatt gtggtctatt cccatagtag attatgtaca tcagtgaata tgaatcaact 60  
 acggccataa acaacatgga taaacaaaag caaatccaaa taaaaaagca agtcctagaa 120  
 tatcatatca tttttaaaaa gctcaaaaata tgacatatat atgataaaac tgtttttttaa 180  
 aaaagcagag aaagtaaaaa tctttgtcac tggttatagg gaatggggat gacagaaggt 240  
 tgagataaga agggagcatc taagtggatg ccaatcagtg ataatggtag attgggtaga 300  
 gggaggtagt atcatgaata ctctagata ttaatatgct ttatatctta acttcataac 360  
 ttaagctagt gtgtgtttac atacatacat acatatatct tccaatccat ggtatacata 420  
 aaataccata tttaaagaga aaaaatgagg ggctgggagc agtgggctcat gcctgtaatc 480  
 ccagcacttt gggaggccga ggcgggtgga tcacctcagg tcaggagttc gagaccagcc 540  
 tgancnacat ggngaaaccn ngctctact aaaaatacaa nnattagcnn ngcgtggtgg 600  
 cangcncctg taatnccagn tacttgggag gntgaggcag nnaatcnnt tgaacccggg 660  
 aggcagaggt tgcagtgagc ngagatngtg ccattgcact 700

<210> 453  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 453  
 aggcgggtgg atcacctcag gtcaggagtt cgagaccagc ctgancnaca tggngaaacc 60  
 nngtctctac taaaaataca annattagcn nngcgtggtg gcangcncct gtaatnccag 120  
 ntacttggga ggntgaggca gnnnaatcnn ttgaacccgg gaggcagagg ttgcagttag 180  
 cngagatngt gccattgcac tccagcctgg gnaacaanag tgaaactctg tctcaaaaaa 240  
 nnntaaaann nnnaagaaaa aaagaaaaan annnnanaan ngnnnannaa nnnannttnn 300  
 nnnatntnaa ntgcantann naaatcccca gtctaatact tactggtcaa gagtcttata 360  
 ataaatatcc agatccttgt tcacaagttc tgttgtcttc ataacaatca tcatttctct 420  
 atacttttcc tcagcatccc gaaattgtgg ttctcgaagt tctttcttaa aatgaataat 480  
 ttcttcttca taacctttct gtgcacctaa tgccaaatta tgatttcttt ttatattgtc 540  
 tatgttctct tccaacttct gatgttcaat gtaaaaaaga aaaatgacaa atgaggacca 600  
 ttttttagct tttaacaacc tgaagtggaa aagtcataga tttctttaga taggttaagt 660  
 atcattctcc ttagcaatca gtatattata acagagtctc 700

<210> 454  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 454  
 tgtgcacctt atgccaaatt atgatttctt tttatattgt ctatgttctc ttccaacttc 60  
 tgatgttcac tgtaaaaaag aaaaatgaca aatgaggacc attttttagc ttttaacaac 120  
 ctgaagtggga aaagtcatag atttcttttag atagggttaag tatcattctc cttagcaatc 180  
 agtatattat aacagagtct ctcttgcctt attatttagg gctttggtac taaagaaaac 240  
 cctctctctc ctcccatatc tctgcgcgac atagggttgc aaatagctaa ttttgtgtat 300  
 tacagaaccc tcatagcatg tgatcactga taaagttcct ggcctttaga cgctaagtaa 360  
 agcactctgg tgattaatat tacaaattca caatcttctg attgtgaact gagaatgcac 420

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aattatcaac actaagaagt tatggataac aggcttcac atcattttgc tcatgtcaaa 480
ggcacaaatc gaattaaatc atatattaat tttctgcagt aatacttatt aaaaatttag 540
attcctccat gaaaacaaaa tttctcttgc acaagtgtaa aaaccataat aatgaccaa 600
aaagtaaaat attcaaatc ttctgatatt ttggcagatt atacaaattt caatgtatgc 660
tttaaaaatc ttcattttatt tattatcact tattaagcat 700

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<210> 455
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 455
catatattaa ttttctgcag taatacttat taaaaattta gattcctcca tgaaaaacaaa 60
atctctcttg cacaagtgtg aaaaccataa taatgaccaa aaaagtaaaa tattcaaact 120
tttctgatat tttggcagat tatacaaat tcaatgtatg ctttaaaaaat cttcattttat 180
ttattatcac ttattaagca tcctcttatg tgtcaggcac tactctcaag cttatgggca 240
tccttacaga gtcgactgga ttacaagtct tgttggcatt tctgttatgt cctggttgaa 300
gaaacgtttg aaaaatagtt gtacttagta atgtgaatga atgtaaaaag tactgttatg 360
taccaattac agaagaaatt ttttaaatat ctggtttttg tcttttagtag ccacgaatat 420
attatttttat atcaaaaatt cttctagaag cattactttt ccaacttgcc atggagagta 480
tcgtgtaaaa gaactgaggc ttgggaacta ggatattagg gtcacattct tggctttcat 540
cataatttcc tctgtgattt ttctgggtct aagtgtgcat aatgcataca aaaatgaaga 600
ctctgaagat gatgagctct tctagttaaa aatctgattt ccctgatata ggaaagagat 660
tttaaatagc taagagtact taacccaaaac acaggattaa 700

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<210> 456
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 456
cttgggaact aggatattag ggtcacattc ttggctttca tcataatttc ctctgtgatt 60
tttctgggtc taagtgtgca taatgcatac aaaaatgaag actctgaaga tgatgagctc 120
ttctagttaa aaatctgatt tccctgatat aggaaagaga ttttaaatag ctaagagtac 180
ttaacccaaa cacaggatta accatttgtt aggctttata aattaaaaat cactttacta 240
tatecttttag aaaagcctgg gcattttttc attcagattt ctgtataaat tcaagaagac 300
atgaaaactc tacaaggaag ggtttaataa atgagaggcc tggatttaac cagctgaggc 360
ggttgacaat ctaagtattt gcctagtaca accttttata ccagtctagt gccttagcat 420
caacaagggt cttacagaat tcctaaggca actaactcta aggcagtcaa ggcaggaata 480
aaatcttttc tgctgtacca ggaaggtagc aactacaata agtaacaata agaccagata 540
aaggaagaat gaggtcatc tttcaaaaga aatgctctgg tggacacata attacaaatg 600
agaaaatcta aaatgaatct ctgtggataa atcactctgg caacaactcc attgacaata 660
ttatagactg tacaagctct gaccagaca aggtccacag 700

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```

<210> 457
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 457
aggaaggtag caactacaat aagtaacaat aagaccagat aaaggaagaa tgaggctcat 60
ctttcaaaaag aaatgctctg gtggacacat aattacaaat gagaaaatct aaaaatgaatc 120
tctgtggata aatcactctg gcaacaactc cattgacaat attatagact gtacaagctc 180
tgaccagac aaggtccaca gctccatatt ctttatgctt agtaccacta ttctgtgcag 240
caggctagca gatgtatggg ggctaagcat gttcaatact gaataactaa ggcccatcac 300
tacagtgtga ttaccaattc tatatcactt cttcagtaat aaagtcttta aggccatgaa 360
atataattgt atcaaaacac tgttcacctt ctagttaact tcaaaggata ccaggctgag 420
gctaaaattc ttttaaaaca ggtatttaat attcttcaca ttccagtaat aaagacgttt 480
atthaaactg aagattattt taaaagcata ctttttcatt tgcaaaacct gcatttgacc 540

```

```

catttccttc aaatgttggt ttctttcttc ttcaacttct tttagttcct catttccttc 600
tcttaaagta aggttatctt gtagccacct ttcttgatc taaaggtaaa cattaataa 660
gttaacaaaa ataaccaagt tactaacatg aaatctgtaa 700

```

<210> 458  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 458
ttaaagcat accttttcat ttgcaaaacc tgcatttgac ccatttcctt caaatgttggt 60
tttctttctt cttcaacttc ttttagttcc tcatttcctt ttcttaaagt aaggttatct 120
tgtagccacc tttcttgat cttaaaggtaa acattaaatt agttaacaaa aataaccaag 180
ttactaacat gaaatctgta acaggcaact ggtgacagca agtgccattt ctgtcttact 240
tagaatcatg tgaaattcaa cagagggaga ataagccagt gtgaaggaat ctacaggtct 300
ggggcaatct ggatggccca tccccatcca cagtgaacaag tgtaatacct cctgtagcgc 360
agcttttact gctctttcac aaccataatc taaaaaccag gtctactgtt tgatggggag 420
tctcataaag atttgagcat atatctgtgt acttatttac ttataaagta ttaaaaaacat 480
acaaaacaga catttttaaa ggtgaaatta aaaatataac tagataatct aatacctaca 540
tccccagtgg atcattttgc ataggaaccc catgataaag cctactgacc tgaaagatta 600
taagagatca atactactac tgaagtcttc cccaactttt tcgtcctagt tctgtctccc 660
aacatgtacc aagaccatta gaacctgtta ggtatatgtt 700

```

<210> 459  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 459
tggtgaaatt aaaaatataa ctagatatct taatacctac atccccagtg gatcattttg 60
cataggaacc ccatgataaa gcctactgac ctgaaagatt ataagagatc aataactacta 120
ctgaagtctt ccccaacttt ttctgtctcc caacatgtac caagaccatt 180
agaacctgtt aggtatatgt tacctgcaac ttctaccttt aggttgacaa attgtaatca 240
ctcaaggcag taagaagtgc cacaatagta gcatatatct atgaacttgg tacctcctta 300
gccaccgaaa tgaaatttca aaaaattggc tgttcttggt gagtagtttt gtccttcaaa 360
agagactcaa taacacttag cagcagcagc acaacaaca aaattatttc agtgggtttc 420
ctggtgatta aaatgaacta tgttgtcaag agacaatcat tagaaaacag tttttaagtt 480
gattctttgg aatttagagg aaaaaaaatt tctgcagaa agaaggggtga tttggccac 540
aaatcatgtg tatagaaac ttattctgaa tttggagtaa ggatttctca aagagggagc 600
tgggaccctc ctgcaatagc ccttgcagct aagctaaact cagtgacatg ggaagtgaga 660
gagatggaca gacctgtggc aatatcttgc accaacagta 700

```

<210> 460  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 460
gaaaaaaaaa ttcctgcaga aagaagggtg atttggccca caaatcatgt gtatagaaaa 60
cttattctga atttggagta aggatttctc aaagagggag ctgggacctt cctgcaatag 120
cccttgacgc taagctaaac tcagtacat gggaggtgag agagatggac agacctgtgg 180
caatatcttg caccaacagt aaaggccagg gactggtaga tgagagaggg aaatcaagga 240
tttctctcac atgcttaatg ttcatatcca atcctgcccc tctatgcgtg actattttta 300
gagttttttt tttctttttt aacagtcaca aagtaaggct actttcattt ttcttgaaa 360
taatataaac atacaattta tccacagggt ccacatctac ggattcaact aacctggat 420
caaaaatatt ggggaaaaaa aataaaaagt aatagtacaa taaaaaaata caaatttaaa 480
ataatacaat ataaaaacta cgtatcattt acatattaat atcaaaagca atctagagat 540
taaagtatat cagaggatat ggataggcta tatgtaaaca ctagatatgc cattttatat 600
aagggacttg agcatcctag atttcggtat ctgttttatc gggggatcct ggaaccaatc 660

```

cctcccagag ataccgagac aactgaatat gtatctacta

700

&lt;210&gt; 461

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 461

```

acgtatcatt tacatattaa tatcaaaagc aatctagaga ttaaagtata tcagaggata 60
tggataggct atatgtaaac actagatatg ccatTTTTata taagggactt gagcatccta 120
gatttcggta tctgttttat cgggggatcc tggaaccaat ccctcccaga gataccgaga 180
caactgaata tgtatctact aaaggcatta ttataggcag ttaaagggtga ctaaaatgac 240
atggttataa atgtcctttg ttgctaaagc aatctaattgt accactgtag ctggtgtgac 300
ttaccaagggt tctactatgg ggtactatgc ttgttgttcc ttattaggaa caagggaatg 360
tgctactgct tactttcatc taatacccca gaacatttga atttgttttc acaattgcat 420
gaaaggactc tttaaagtgc tatcacattt ttagatgaga ctgatttttg gcacaaaata 480
ttgttgctgg tctgtctacc tgcattgtta ccagacagct aggcatttct ttgttttagg 540
tcagcttcca ttattcttct agttttgaaa gacagtatat accacatcaa gagtgtaatg 600
ctttgaagtc agatacatct aggtcctaaat cacagtgtta ttacttttaa actggataac 660
tttgggcaaa ttagttaaaa ttctctgaac ctgagtttgc 700

```

&lt;210&gt; 462

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 462

```

ctgcattggt accagacagc taggcatttc tttgttttag gtcagcttcc attattcttc 60
tagttttgaa agacagtata taccacatca agagtgtaat gctttgaagt cagatacatc 120
taggctcaaa tcacagtgtt attactttta aactggataa ctttgggcaa attagttaa 180
attctctgaa cctcagtttg cttataacat ggtcaataat gatactatct atcataaaga 240
actatttgtt ggccgggctg ggtggctcat acctgtaatc ccagcacttt gggaggccaa 300
ggcagatgga ttacttgagg tcaggagttc gagatcatcc tggccaacat agtgaaaccc 360
cacctctact aaaaatacaa aaattagcca ggcctggtgg cactcgctg tagccccagg 420
caggttgagg caggagaatc acttgaaccc gggaggcgaa tgttgcagtg agccgagatt 480
gtgccactgc actccagcct ggggtgagaga gcaagactcc atctaattta aaaaaaaaaa 540
aaaaaaaaaa aagactattg tgaagattaa aggaatgagt gtatgtaatc agtatagtgc 600
ctgactcaat aattgctaataaaaatgcctt ttgggtcaaa tttgtccttt gtactgtaag 660
cagtgagaat tccaattata gtctacaaaa tgtatcagag 700

```

&lt;210&gt; 463

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 463

```

tgggtgagag agcaagactc catctaattt aaaaaaaaaa aaaaaaaaaa aaagactatt 60
gtgaagatta aaggaatgag tgtatgtaat cagtatagtg cctgactcaa taattgctaa 120
taaaatgcct tttgggtcaa atttgtcctt tgtactgtaa gcagtgagaa ttccaattat 180
agtctacaaa atgtatcaga gaaaggaagg gaaaaaaaaa cagatgcagt tatagtatac 240
cacaaatggt tttccattct actagaaatt tgatagtgtg ggggccagtt ctacctgtta 300
ctactttttg tgaccttgga caagtcaggt cacctacagt tctcttcata tattccttca 360
gctgaaaact gagaaaggca gtttaagttt caaattattt tattctgtgg actaaattta 420
gcagggttta aatcagtagc taaataagtg actgttaggc tcctcagctc ttaaatatta 480
acccaatca tccaactcag atgacagtta atgcatgcag ctgggtcacct atggaaacat 540
aaaaattagc tgcatcttag atacctgtga gagagtggca tgctgaacag attacagtcc 600
aatgtccacc aaaagtctag ctgggaataa caccacttct acaagactgc ctgaaagcta 660
tgcagtcctat ccagtgtctg ctcagttatt gacagctaaa 700

```

<210> 464  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 464  
 gatgacagtt aatgcatgca gctgggtcacc tatggaaaca taaaaattag ctgcattcta 60  
 gatacctgtg agagagtggc atgctgaaca gattacagtc caatgtccac caaaagtcta 120  
 gctgggaata acaccacttc tacaagactg cctgaaagct atgcagtcca tccagtgtcg 180  
 gctcagttat tgacagctaa agggatatat tagaacctct aaggaatttc aacaaaacac 240  
 acatatctct gcccaaacc ccaagattct gatttactgg tgtggattgg agacatagac 300  
 atatatatat atatattttt tgagacaggg tcttgctctg ttgcccaggc tggagtgcag 360  
 tggcgtagta agggctcact gcagccttga actcccagc tcaagcaatc ctcccacctc 420  
 agcctcctga gtagctggga ctacaggtat gcaccatcac acctggctaa tttttttgta 480  
 gagatggggt ttgcctatat tgcccaggat agtctggaac tcccaggctc aagcaatctg 540  
 cccgcctcgg cctcccaaag tgctaggatt acaggcatga gccactgtgc cgggccaaca 600  
 catgtatttt taataaccta agtcattttt taaaaactga gatgtaatta atattccaca 660  
 aaattcactg tttaaacgtg tacaatttag cagttttact 700

<210> 465  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 465  
 ttgcccagga tagtctggaa ctcccaggct caagcaatct gcccgcctcg gcctcccaaa 60  
 gtgctaggat tacaggcatg agccactgtg cccggccaac acatgtattt ttaataacct 120  
 aagtcatttt ttaaaaactg agatgtaatt aatattccac aaaattcact gtttaaactg 180  
 gtacaattta gcagttttac tttattttaca aggttataca accatcacca ctatccaatt 240  
 ccagagcatt tgatcatccc aaaaggaaat ctcatattca atagcagtca ctctattcct 300  
 tcctcacctc tagccccctg gaaacattaa tctgctgtca ctggatttac ctaatctgta 360  
 catttattat aagtggaaac gtacattatg tgaccttttg tgactggctt cttttgctta 420  
 gcatgtttta aggggttcatt catgtggtag catgtatcct ttttatggct gaataatatt 480  
 ccattgtatg ggtataccac attttggtta tctgatcac agttgatggc catttgggtg 540  
 tgtccatatt ttgactatta caaataatgc tgctatgagc attcttgtag aagttgttgt 600  
 gggaacatat gttttcaatt ttcttagttc tatacctaga agtggaataa ctcacagcat 660  
 ttacaggtgc ccctagctaa gaacctttgc tttctaaca 700

<210> 466  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 466  
 cattttgttt atctgatcat cagttgatgg ccatttgggt gtgtccatat tttgactatt 60  
 acaaataatg ctgctatgag cattcttgta caagttgttg tggaacata tgttttcaat 120  
 tttcttagtt ctatacctag aagtggaaaa actcagacga tttacagggtg cccctagcta 180  
 agaacctttg ctttctaaac attaacattt acttcaggct tcaatcatac caccctctac 240  
 agaacctcgt atcaaggaat aatgatgctg agatacactg tatttttttt aaagccctgc 300  
 gaagtctgtt gaagactata catgtcttcc tttctatgaa tagagacatt atcctgtagt 360  
 cagtatagga aactggtttt ctttttagcat tgacacaatg tgaatcttga ctaattgtga 420  
 cttttttttt tttttttttt tttttaagac ggagtctggc tctgtcacc aggctggagt 480  
 gcagtgggtg gatctcggct cactgcaagc tctgcctccc aggttcacgc cattctcctg 540  
 cctcagcttc ctgagtgcgt gggactacag gcgcccacca ccaggcctgg ctaatttttt 600  
 gtattttttt gtagagacgg ggtttcggcg tgtttagccag gatggtctcg atctcctgac 660  
 ctctgtatct gcccgccttg gcctcccaaa gtgctgggat 700

<210> 467  
 <211> 700

<212> DNA  
<213> Homo sapiens

<400> 467  
tcactgcaag ctctgcctcc cagggttcacg ccattctcct gcctcagctt cctgagtagc 60  
tgggactaca ggcgcccacc accaggcctg gctaattttt tgtatttttt agtagagacg 120  
gggttttcggc gtgttagcca ggatggtctc gatctcctga cctcgtgacg tgcccgcctt 180  
ggcctcccaa agtgctggga ttacaggcgt gagccaccac gcctggctgt ttttgtttct 240  
gtttgtttgt ttgtttgttt gagacggagt ttcactcttg tcaaccaggc tgaagtgcaa 300  
tggtgtgacg tcggctcact gcaatctctg cctcccaggt tcaagcgatt ctccctgcctc 360  
agcctcctga gtacctggga ttacaggcgc gtgtcaccac acctggctaa ttttcttatt 420  
ttcagtagag atgggggttt accatatattg ccaggctagt cttgaactcc tgacctcagg 480  
tgatccgtct gccttggcct cccaaagtgc tgggattaca ggcattgagtc actgcgcctg 540  
gcctcctctc tttatttgac tactagaatc ttcagcaagc atatcagact tcatgcatac 600  
tttttataca cttctctcct ggtttcatta ctttcttgcc cttatttcta cactgccttg 660  
ttttccatt aatttgaaat acatttatct ttgctctatt 700

<210> 468  
<211> 700  
<212> DNA  
<213> Homo sapiens

<400> 468  
tcccaaagtg ctgggattac aggcattgagt cactgcgcct ggctcctctc ctttatttga 60  
ctactagaat cttcagcaag catatcagac ttcattgcata ctttttatac acttctctcc 120  
tggttttcatt actttcttgc ccttatttct acactgcctt gttttcccat taatttgaaa 180  
tacattttatc tttgctctat tgtatataac taagtaaata atttctggaa caagggaagg 240  
tacaaagtaa actaatacca tcagatccac taagttaga ccatcacttt aaaaggggtc 300  
atagatcatt aatcttaaca atttcgtata tatatacaga gagctgctgc gaatttacag 360  
attgtgattt ttatataggg aactacataa aagctagtga taattatttt gttatatatg 420  
catcataaat ttatacagtt attcaatatg tattaggcca ggcagagatt tgatctccct 480  
ttgactgata tttcatatat ttgaaattct tgggtgtaca gaaagagacc cagcagaaaa 540  
ctaattgtaac taatcttcca aatgatttta agcaaccact tataaccaag tgggttaaggc 600  
attcaaatag taaattttgt ttaaaacagt aagaacagag aaatggtata gtttttaaaag 660  
gcattaacta ccatgcttgc ataaagcatg tgatgatggc 700

<210> 469  
<211> 700  
<212> DNA  
<213> Homo sapiens

<400> 469  
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aaatgatttt aagcaaccac ttataaccaa gtggttaagg cattcaaata gtaaattttg 120  
tttaaaacag taagaacaga gaaatgggtat agttttttaa ggcatttaact accatgcttg 180  
cataaagcat gtgatgatgg cttcttaata tgattttgat tatactatag aaattaattt 240  
ctttaataga gaaaataaat gatataggaa tcaactggaa aatgacttaa tatataaata 300  
ttttccttac agattacttt caagattatt aaaccttaac ccgtcttttg tgaatttatg 360  
ctacataaag atatgttaga ataagaaaag atacagatac atgttaaaga tgttcattgt 420  
cacacagttt gtgataagga aatgaaatca atctgagtaa gtgctggtat atacacaaaa 480  
tggactattt tataatcatt aaaaagaatg tgatacatct gtgagttgat aggtaaaaatc 540  
aaattatgtt aagtgaaaaa aggtacagaa taacatgata cgaccccatc cataaaaagta 600  
aatttaata tatatatata tatatacaca cacacctaaa tttatctacc tatctgctgg 660  
tatatgaata aaaaacttct ttaagaacaa ataagtgtaa 700

<210> 470  
<211> 700  
<212> DNA  
<213> Homo sapiens



&lt;400&gt; 470

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aaggtagaca ataacatgat acgaccccat ccataaaagt aaatttaa atatatatat 120
atatatacac acacacctaa atttatctac ctatctgctg gtatatgaat aaaaaacttc 180
tttaagaaca aataagtgtg acagttaatg acatgtagaa gtaagattga gaattaggag 240
aaggggagga acacttttat gcctttatgt tcgaactttt accatgagtc ttttactgaa 300
aataaaaaata aaaaataaat gaagtaagaa tgttattgga attatttttc tttacttttt 360
gcattttcttt ttagagacag agtctcgctg tgtcgcccag gctagagtgc agtgggtacaa 420
tcacagctca ctgcaacctc tgcctcccag gtccaggtga ttctcatgcc tcagcttccc 480
gagtagctgg gactacaggt gcgcgccgcc acggccagct aatttttgta ttttcagtac 540
agacaggggt tcaactgtgt ggccaggctg gtcttgatct cctggcctca agtgateccac 600
ccgcctcggc cttccaaagt gcagggatta cagggtgtgag ccaccacgct tggcctcttt 660
cctttttgca tttctattca atggaatctt tattgaaaaat 700

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&lt;210&gt; 471

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 471

```

tgccgcgccgc caccggccagc taatttttgt attttcagta cagacagggt ttcactgtgt 60
tggccaggct ggtcttgatc tcctggcctc aagtgatcca cccgcctcgg ccttccaaag 120
tgcaaggatt acagggtgtg gccaccacgc ttggcctctt tcctttttgc atttctattc 180
aatggatctt ctattgaaaa taaaactata gaaaagaatg tcatagggtg aagtgatatc 240
ataagcaaaa cagacctacc ttctgtgtat caatatcttg tctcatgagt ctcatatctt 300
catttatctt ttcttttgtt ttctcgcat cacttagttg agctattact ttattaagtt 360
cagtttcttt ttgctacaaa aaagaaaatt ctttaagcac atgaataaaa atacaatcaa 420
ataaataatt ttaagtttta aattaccttc ttatagtcgt ctttcccatc ttgaatataa 480
ttctcaatgt ctttcatata gccatgaata tttttaacct tctctttaat atcattcagc 540
tgtagaaaaa tattcattaa atttacactg gttgtactta agggcacata acaggagagc 600
acagtataaac actggctggg aagttatgaa cattgggttc cagtttccac cactactgaa 660
ttttatgatc gcagacaagt ccctttctca cctataggaa 700

```

&lt;210&gt; 472

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 472

```

agccatgaat atttttaacc ttctctttta tatcattcag ctgtagaaaa atattcatta 60
aatttacact ggttgtactt aagggcacat aacaggagag cacagtaaaa cactggctgg 120
gaagttatga acattgggtt ccagtttcca ccaactactga attttatgat cgcagacaag 180
tccctttctc acctatagga attgattaat tagtctcatt tcttaacttc tattgtagat 240
caagcagcaa aataatttac atcaaactcct tggtctaaca agaatttcta atgtcaaaaat 300
tataccatga atctgaaaat actattttatc ttatgctatt taatttcatt tgaaataagt 360
gtccgacgtg gtgctatgaa cataagttta atacagatat ttgataagta aatatataaa 420
tgaaatctta ctttatcctg tgctattttg ttgcttgat tttttttgtt gattaattct 480
tctttttctt gctggaactt ttccaatgtt gtttccaaag ggcttacctg ctcttttagca 540
tcttaaaaaa ataaaaaaga taaagtatta tataatatcc cattatctta ctttaggggt 600
cagacttcac agtcttaata aaagcacttt ctatgtgccg ggctctaaaa gtcaactcat 660
ttgctccttt caatgacctt atgaggacag taccatcatt 700

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&lt;210&gt; 473

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 473

```

tttccaatgt tgtttccaaa gggcttacct gctcttttagc atcctaaaaa tataaaaaag 60

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```

ataaagtatt atataatatt ccattatctt accttagggg tcagacttca cagtcttaat 120
aaaagcactt tctatgtgcc aggtctctaa agtcaactca tttgtctctt tcaatgaccc 180
tatgaggaca gtaccatcat tttcagtcct atatttcaaa cgagcaaaca gacacagaga 240
atgatttgtc cagggtcaca acagccagta aatgaagcag ccaagatttt aaccagtc 300
agctccagag ttacagctct taaccactac gcatgctata ctgcatcaac cactaatttg 360
attcttaatc taggccatgt gctcccaatt atattagcgt gtggcttcaa gcatgagttt 420
tcatgatttt atagggtgcc gtcactgctg catgatcaaa gaataggaaa gctcattcag 480
tccagacttt tctttttcag atgaaaacat gatggtaaaa acacttctgt ccttaagctt 540
agcctgctaa ggctacgcag atatttcatg gtaataaaag catactgtta aactaatggt 600
ggtgtctcca caactatttt ggaaggaacg gggctttcaa gtaataaact attttactaa 660
atagaagtcc ccattattta gccttgtaac actaaatcta 700

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```

<210> 474
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 474
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gatatttcat ggtaataaaa gcatactggt aaactaatgt tgggtgtctcc acaactattt 120
tggaaggaaac ggggctttca agtaataaac tattttacta aatagaagtc ccattatttt 180
agccttgtaa cactaaatct acaacgtagt tatatgataa ccacagttca aaacagaggt 240
cctcaagcac tttaagattc tgaagtactg agtgaatcta tagaggtaga tacaattatt 300
tagtaattac ttcaatatag gtctatttta tcatactggg aagtggtagt gtgtgttagg 360
aagtcaaatg ccctcagtggt caaaagatct atcagaaaat caactctgct tcctatttagc 420
tgcataaact taggcactca tgagacattt gtaaactctca atttttctat aaagagattt 480
catcatctaa atagggttgc tgaggcactg aatgggtcaa tgtcaaagtg ctttataaat 540
agtaaaaaat tatacagatg caagtactat tttatattat attctgaacc tctgatattt 600
tgtaatctaa aatttaataa aaatttatag taattattca gtaatatact tagtgcttat 660
tgaatgagta cgcataatta tataaaccta ggtaagattg 700

```

```

<210> 475
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 475
ctgaggcact gaatggttca atgtcaaagt gctttataaa tagtaaaaaa ttatacagat 60
gcaagtacta ttttatatta tattctgaac ctctgatatt ttgtaatcta aaatttaata 120
aaaattttata gtaattattc agtaatatat ttagtgctta ttgaatgagt acgcataatt 180
atataaacct aggtaagatt gtttataact gtttataact gggtgagtc tagatgtgat 240
taatctatat aagggatgtc aaatgcattc cagtggcaac tgagtgcctg ctactgtat 300
tggttaaggg tctgaaacca catccggaat caaatggaaa gagtgtctatg actgagagtg 360
accgccatag ataaaggatc tgcagataag acaaacctcc tgtacaagca ggaatcctta 420
tacagaatta accaaccacc acctgaccac ctccaataac atttactact taaccaggca 480
gccagttctt ctttattatg gcaaactcct tcttccagaa atctttactt actagtacaa 540
gttctatcac ttaggaacca cacaataat tattatacca ttttcatttg atcctcataa 600
tagctggttt tcaaagggaa tgcttccagt ttttgcccat tcagtatgat attggctgtg 660
ggtctgtcat aaatagctcg tattattttg aaatacatctc 700

```

```

<210> 476
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 476
ggcaaaactcc ttcttccaga aatctttact tactagtaca agttctatca cttaggaacc 60
acacaaataa ttattatacc attttcatct gatcctcata atagctgggt ttcaaaggga 120
atgcttccag tttttgccca ttcagtatga tattggctgt gggctctgtc taaatagctc 180

```

```

gtattatattt gaaatacatt ccacgatac ctagttttatt gagagctttt agcatgaagc 240
gggtgttgaat tttatcgaag gcctttttctc catctatttg gataatcatg tggtttttgt 300
ctttggttctt gttcatgtga tggattacat ttattgattt gcatatgttg aaccagcctt 360
gcatcccagg aataaagccg acttgatcgt ggtggataag ctttttgacg tgcctgctga 420
ttcggtttgc cagtatttta ttgaggattt ttgcatcgat gttcatcagg gatattggcc 480
tgaaattttc tttttttgtt gtgtctctgc taggttttgg tatcaggatg atgctggcct 540
tataaaatga gttagggagg attccctctt tttctattgt taggaatagt ttcagaagga 600
atggtaccag ctctctcttg tacctctggt agaattcggc tgtgaatctg tctggctctg 660
gacttctttt gggtggcagg ctattaatta ctgcctcaat 700

```

<210> 477  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 477
tgtgtctctg ctaggttttg gtatcaggat gatgctggcc ttataaaatg agttagggag 60
gattccctct ttttctattg ttaggaatag tttcagaagg aatggtacca gctcctcttt 120
gtacctctgg tagaattcgg ctgtgaatct gtctggctct ggacttcttt tggttggcag 180
gctattaatt actgcctcaa tttcagaact tgttgttggg ccatttgggg atttgacttc 240
ttcctggatt agacttggga ggggtgtatgt atccacgaat ttatccattt attattttct 300
agttttattg cgtagagggtg tttatagtat tctctgatgg tagtttgtat ttctgtggga 360
tgggtggtga tatccctctt atcatttttt attgcatcta tttgattctt ctctcttttc 420
ttctgtatta gtcttgctag tgggtctattt tgttgatctt tttaaaaaac cagttcctgg 480
attcattgat ttttttgaag ggtttttcgt gtatctcctt cagttctgct ctaatcttag 540
ttatttcttg tcttctgctg gcttttgaat ttgtttgctc ttgtttctct agttctttta 600
attttgatgt taagggtgtg aattcagtta tttcctgctt tctcttgtgg gcatttagtg 660
ctataaattt cctctacac agtgctttta atgtgtctca 700

```

<210> 478  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 478
gggtttttcg tgtatctctt tcagttctgc tctaattctta gttatttctt gtcttctgct 60
ggcttttgaa tttgtttgct cttgtttctc tagttctttt aattttgatg ttaagggtgt 120
gaattcagtt atttctgctt ttctcttggt ggcatttagt gctataaatt tccctctaca 180
cagtgcctta aatgtgtctc agagattctg gtacattgta tctttgttct cactggtttc 240
aaagaacatc tttatttctg cttcatttcc gttatttaac cggtagtcat tcgggagcag 300
gttggtcagt ttccttgtag ttgtgctggt ttgagtgagt ttcttaatcc tgagttctaa 360
tttgattgca ctgtggctct agagactgtt tgttatgatt tctgttcttt tgcatttgct 420
gagagtgttt tacttccaat tatgtggtca attttagaat aagtgcgatg aggtgctgag 480
agttctggcc attacactaa taaagagcat ttcatattaa agaaacatgg gctgggtgag 540
gtgatgtaag cctgtaattt tgggaggcca aggctgcatt gcttgaggcc atgagtttga 600
gaccagcctg aacaacatag tgagaccctg tctctagaaa aattttaaaa attagccagg 660
cgtgggtggtg tgtgcctgta gtcccatcta cttgagaggg 700

```

<210> 479  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 479
ataaagagca tttcatatta aagaaacatg ggctgggtga ggtgatgtaa gcctgtaatt 60
ttgggaggcc aaggctgcat tgcttgaggc catgagtttg agaccagcct gaacaacata 120
gtgagaccct gtctctagaa aaattttaaa aattagccag gcgtgggtgg gtgtgcctgt 180
agtcccatct acttgagagg ctgaggcagg aggattgctt gagctcagga ggtcgaggct 240
gcagtgagtg agctgtgact gtaccactgc attccagctt ggaagactga tgaagactct 300

```

```

gtctctaaaa gagaagaatg gggcggggca tgctggctca cgctgtaat cccagcactt 360
tgggaggcca aggtaggcgg atcaccttag ttcaggagtt tgaaaccagc ttgtccaatg 420
gcgaaaaccc gtctctacta aaagaacaaa aattagccag gcatggtggt gcacgcctgt 480
aatcccagct actccagagg ctgaggcaag agaatcactt gaaccagga gatggagggt 540
gcagtgaagg gagatcgtgc tactgcactc cagcctgggt gacagaacga gactgtctca 600
aaaaataaaa ataaaaataa ataattaaaa taattttaca aaaaacatgt atggatattc 660
ttacctttat ctctctgtac aaagactgaa cttcagtggg          700

```

<210> 480  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 480
gctgaggcaa gagaatcact tgaacccagg agatggaggt tgcagtgagc cgagatcgtg 60
ctactgcact ccagcctggg tgacagaacg agactgtctc aaaaaataaa aataaaaaata 120
aataattaaa ataattttac aaaaaacatg tatggatatt cttaccttta tctctctgtg 180
caaagactga acttcagtgg ataattccac agtctgctcc tccagttgct gacgacgttg 240
caaattagtg gatattctgaa gtttctcaga ttttagctca tttgtgtgac tttttagatg 300
ttgaatctgt tctgtctggt cctgtataag cttacgattc aattcaatct tactagaaac 360
tacacaaaaa catattatca cagtaattaa tgtaagggca tagaaaatac tatttgtatc 420
attcttccca tttttatcgg tctatggaat ccacaaatgc tatttctgtg ggccccaccc 480
actgcaacaa aaatacaatg agaaccctgc tagttctcaa atcagcttga tgttccctgc 540
tggccactca cagggaaagc ttacagggca ggtatgaatg agaaagaata cagctcatgg 600
ccaggcgcac tggctcacac ttgtaatccc agcactttgg gagactgagg caggtggatc 660
acctgagggtc aggagtccga gatcagcctg acaaacacag          700

```

<210> 481  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 481
gagaaccctg ctagttctca aatcagcttg atgttccctg ctggccactc acaggggaaag 60
cttacagggc aggtatgaat gagaaagaat acagctcatg gccaggcgca ctggctcaca 120
cttgtaatcc cagcactttg ggagactgag gcaggtggat cactgagggt caggagtctg 180
agatcagcct gacaaacaca gtgaaacccc atctctacga aaaaatacaa aaattagctg 240
ggcatagtga tgtgtgcctg taacccagc tactcaggag ggtgaggcag gagaatcact 300
tgaacccggg aggcggagggt tgcagtgagc caagattgca ccattgcact ccagcctggg 360
cgacaaaagt gaaactctat cttaaaaaaa aaaaaaagga aaagagaata cagcttattt 420
catactctcc tactgttcaa aatctgttgt gcaaagtaag agaacaaaga gaagtgatgc 480
ttttcagaaa aaaagagcaa atatatgtgg acaggaagga acttcgttgt ccatgtaaca 540
gatataaaat tgactgtaaa aggcattgtc tcgcaatgtc aaagtctcta tgagtacaga 600
aggacacaga ctgtattacc tgtgtctaac ttgtgctgtt tctcttggtt ctctgggttg 660
acttggttga cagttcgatc taagtctatt ccttgtagct          700

```

<210> 482  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 482
aatatatgtg gacaggaagg aacttcgttg tccatgtaac agatataaaa ttgactgtaa 60
aaggcatgtg ctgcgaatgt caaagtctct atgagtacag aaggacacag actgtattac 120
ctgtgtctaa cttgtgctgt ttctctgtt tctcctgggt gacttggttg acagttcgat 180
ctaagtctat tccttgtagc ttagctgctt gttgtgcaat ttttctttca acatctttaa 240
gttccatctt aagaatataa caaatgatt tcctttaata aacttactgc attattcaaa 300
atctttaaaa attaattgct cttatcatct attttttaaa tctaaactta taaaccattt 360
ctagatacaa ttttagcaaa gttaaatagg ataaaagtga aattaattat cagcaattca 420

```

```

aatgatgtaa acaaaaggaa gctgactaaa gatgaaaaac aaacagaact gtcttaattt 480
ttaaatttat gaattaaaaa gtttaaaccg agggatgtaa actaagcagt ttctccctga 540
gggtatctga aattcaggat ggggaattct aaacacaacc tgtacctgaa tactagctac 600
tatttttaac tctcacactt caaattcaag ccaccatgga acaagtttta ttctgcctta 660
aactacaata aacttacctg gaacctctcc ataattgtaa 700

```

```

<210> 483
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 483
agtttaaacg cagggatgta aactaagcag tttctccctg agggatctct aaattcagga 60
tggggaattc taaacacaac ctgtacctga atactagcta ctatttttaa ctctcacact 120
tcaaattcaa gccaccatgg aacaagtttt attctgcctt aaactacaat aaacttacct 180
ggaacctctc cataattgta acatctgtca ggcatacttt ggcactttct tcttcaggca 240
ttattgtacc caagagtgtt tcttggttct ctatgtcgtt ctttaggcgc tgtatgtctc 300
tattgacatt ctgcagtttg tttcttaatt ctggtatttc cttctccttc aaatcaatta 360
tgctttgcct aaatagaaaa cacaattaaa aataaagtat ctgatgtttc tcacagttag 420
actgaggtta tgtattttta ggaagaatag cacagaagtg acattgtgtt ctttccaggg 480
tatcatatca gtggatatgg aatcatgata tcaatatgtc ttattactga tgatgttaat 540
ccttattcac ttggcttaga tgggtgttggc caggtttctc cactgtaaag ttactgtttt 600
agtctttgta attaacaagt atcttaggag agaaatgttg agactatgta aatatcttgc 660
ttctcaactt tctgcctact gatttttagta tccactgaca 700

```

```

<210> 484
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 484
gaatcatgat atcaatatgt cttattactg atgatgttaa tccttattca cttggcttag 60
atggtgttgg ccagggttct ccactgtaa gttactgttt tagtctttgt aattaacaag 120
tatcttagga gagaaatgtt gagactatgt aaatatcttg cttctcaact ttctgcctac 180
tgattttagt atccactgac agatcttgct tgcaataatt attactgtgg tgtttgtcaa 240
actgagaaat atttacttaa tgaactgggc atattgacca aaagtgttaa ggtcatgaaa 300
gataaagaca gattgtttaca gactgcagga gcctaaggag aaataacaac tagatgctac 360
gtgggatcct gcatggaacc ctgaaacaga aaaggcattg atggaaaaac tgctaaattc 420
gatatggtct gtaatttagt tagtagcatt atatcaatgt taatcctggg tttgataact 480
gtattataac agagtacata aattgttaac atcaggagga gctggatgag ggatataat 540
gaataatttg tattattttt ataatttttc tgtaatccta acattatttc aaaataaaaa 600
tttttttaat tacaggaaaa aaaggaagga agccagccac taagtgaat gctacatggg 660
tttaaggtag aaaatgtcaa cccattttac tggtagctac 700

```

```

<210> 485
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 485
aaattgttaa catcaggagg agctggatga gggatatata tgaataattt gtattatttt 60
tataattttt ctgtaatctt aacattattt caaaataaaa attttttaaa ttacaggaaa 120
aaaaggaagg aagccagcca ctaagtgaat tgctacatgg gtttaaggta caaaatgtca 180
accattttta ctggtactca ctactgtagc taatgaatta ccacctccat ggcaggtagt 240
gacaactatt tttgctgatg cctctgaaac aataatatgt atttaatctt ttaaaaaaaa 300
tttacttcag aaatattcca aattcttatt taaaattata ttgaattagt atgacaaagc 360
agtagaataa attaaactgg tctctaatag gagtcttatt ataaacttaa agaataacca 420
gaaactcaag tggctattac ttaatgattt tttaaaaatg caaactatga ccaagaaatg 480
ccaacctgac ctgtggcaac agacctatag ttttttaaaa ttttttaatt atttatttat 540

```

```

ttttatgctt taagttctgg gatacacgtg cagaacgtgt gggtttggtta cataggtata 600
cacgtgccat ggtgggttgc tgcacccatg aacccatcat ctacattagg tattttctcct 660
aatgctatcc ctcccctagc cccccaccag cagacaggcc                                700

```

<210> 486  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 486
cagacctata gttttttaaa attttttaaat tattttattta tttttatgct ttaagttctg 60
ggatacacgt gcagaacgtg tgggtttggtt acataggtat acacgtgcc a tggtgggttg 120
ctgcacccat gaacccatca tctacattag gtattttctcc taatgctatc cctcccctag 180
ccccccacca gcagacaggc cccagtgtgt gtgatgttcc cctccctgtg tccatgtgct 240
ctcattgttc aactcccatt tatgagttag aacatgcaat gtttggtttt ctgctcctgt 300
gttagtttgc tgagaatgat ggtttccagc ttcattccatg tccctgcaag ggacatgaac 360
tcatcctttt atatggctgc atagttactc catgggtgat atgtgccaca ttttctttat 420
ctagtctatc attgatggtc atttgggttg gttccaagtc tttgctatcg tgaacagtgc 480
cgcaataaac atatgtgtgc atgtcagacc tacagttttt ttttatacca cagaaatagg 540
aggtatttgt attccacata ataaatatga aggtatgcag gttatgagta attccatgcc 600
aatgtttcct cttgaacact gttgtcacag attagtagtt ggccttaaat tatgtgcccc 660
atatctaaaa agtgacacag ctatgacagc ctaataatga                                700

```

<210> 487  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 487
catgtcagac ctacagtttt tttttatacc acagaaatag gaggtatttg tattccacat 60
aataaatatg aaggtatgca ggttatgagt aattccatgc caatgtttcc tcttgaacac 120
tggtgtcaca gattagtagt tggccttaaa ttatgtgccc aatatctaaa aagtgcacac 180
gctatgacag cctaataatg atggccaagc atttattaaa ctggggacat ctctgtgaag 240
aactgtaggc atacatacaa ttttaaccct atttttacat tttcctacac acacacaaaa 300
tctttcatca atatggctca ggttttggtg ccttcttttt tgatgattac ataagatgtt 360
aaaagaagtt ttctggccgg gtgtgacggc tcacgcctgt aatatgagca ctttgggagg 420
ctgaggcttg tgaatcacct gaggtcagga gttcaagacc agcctggcca acatggtgaa 480
accccatctc tactaaaaat acaaaaaatc agttgggcgt ggtgaagggc gcctgtaatc 540
ccagctactt gggaagctga ggcaagagaa ctgcttaaac ccgggagggt gaggttgcag 600
tgagctgaga ttgtgccact gcactctctg ggtttgtttt tctttttttt aaatttatga 660
cattttattt tttattttca agagttaatt tttctcacga                                700

```

<210> 488  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 488
tacaaaaaat cagttgggcg tgggtgaaggc cgctgtaat cccagctact tgggaagctg 60
aggcaagaga actgcttaaa cccgggaggc ggaggttgca gtgagctgag attgtgccac 120
tgcactctct gggtttggtt ttcttttttt taaatttatg acattttatt ttttattttc 180
aagagttaat ttttctcacg attcacaagg ttttttaaaa ttattttcaa tagataaaatc 240
ataattgcaa acattttatg ggtacaatgt gatgttctga tatatgtaca caatgcacaa 300
tgattaaata aaggtaattt aacatatcca ttaccttgcc tgcctatcat tttttataga 360
cagacatttg aaatttactc tttggatttc tgttttttca gaaactcaat tcacctattt 420
ttagacaaca ttctttttct aaggggattg tgtgtaaaaa ggctcacaca gatatggtac 480
tgaaaaaac ctgtgggaga aataccaatt gagtttgcac ttaaatgagg tgctataata 540
aatgaatctg agtcagtact agacaaaatg ataaacaggc acattttcag ctgagatctc 600
agtcgatgat ttaggtttat attagatact ggcgaatttg aggccttaaa tgaaaaatatt 660

```

tcccgcaaag aagataagca agatatggct cccactacc

700

<210> 489

<211> 700

<212> DNA

<213> Homo sapiens

<400> 489

aaataccaat	tgagtttgca	tttaaagag	gtgctataat	aatgaatct	gagtcagtac	60
tagacaaaat	gataaacagg	tacattttca	gctgagatct	cagtcagat	gtagggttta	120
tattagatac	tggcgaattt	gaggctttta	atgaaaatat	tcccgcaaa	gaagataagc	180
aagatatggc	tccctactac	ctctctgagc	tcattctcca	caacttttcc	ctttggcctt	240
cagggtcaat	atgtctcaga	gattttgcac	tgcctagaat	attcttctta	tggacaactg	300
catggctgac	tccctcactt	ctctcaagtt	tccactccac	tgccaccttc	atcaagtccc	360
ctcctaccac	ccttcagcta	gtccctatcc	ccttatcttg	ctgtagtctt	ctcaatgccc	420
ctgatcatcc	cctggcatat	tatatattta	cttatttgct	atccatctcc	tccctactgg	480
gatataaact	ccatgagggc	agggactttg	tccattttgt	ttactgctgt	attacctgca	540
ctccagtaga	ctgcctatat	tgggtgcatg	aatagacagt	tctcatgata	gtggtggcat	600
caagggcata	ttctaaaggt	gaaaaagcaa	atggtgcaca	gataaattta	atcttggtac	660
tttacccttc	ttcaccaata	accttcacc	taagtgacta			700

<210> 490

<211> 700

<212> DNA

<213> Homo sapiens

<400> 490

cagggacttt	gtccattttg	tttactgctg	tattacctgc	actccagtag	actgcctata	60
ttggttgcat	gaatagacag	ttctcatgat	agtgggtggc	tcaagggcat	attctaaagg	120
tgaaaaagca	aatggtgcac	agataaattt	aatcttggtt	ctttaccct	cttcaccaat	180
aaccttccac	ctaagtgact	atcataaata	gacctccaca	atgtctctga	aagtgacccc	240
acgggatatt	tgaagtagt	atcctaacca	gagggtggaag	gaagcttaat	gatcatgtaa	300
atcaatcccc	tcactttacg	tgggggatac	gaaggcccaa	atgggttaag	taacatccct	360
aaggtcacc	agcagagtgt	gaatttgaa	tcaacctgac	tgcactctta	ggcaattgct	420
ttcccatatt	taaaaaaaaa	aaaagtcctc	ttggttgggc	atgggtggct	atgcctgtaa	480
tcctagcact	ttgggaggct	gaggtaggag	gattgcttga	gcttaggagt	tcgaggcttc	540
gatgagctat	aatcaatcac	accactacac	tccagcctgg	gtgacaggag	caagacccta	600
tctatcaatc	aatcaagtcc	tcttaattca	ttattgacct	ttcatttgctg	gatttattta	660
aacttaaaaa	aagtgtttta	taatgttatt	tcctactatt			700

<210> 491

<211> 700

<212> DNA

<213> Homo sapiens

<400> 491

tgaggtagga	ggattgcttg	agcttaggag	ttcgaggctt	cgatgagcta	taatcaatca	60
caccactaca	ctccagcctg	ggtgacagga	gcaagaccct	atctatcaat	caatcaagtc	120
ctcttaattc	attattgacc	tttcatttgt	ggatttattt	aaacttaaaa	aaagtgtttt	180
ataatgttat	ttcctactat	tgggaagaag	acttcctctc	tcatttgctc	caaactcatc	240
cttctccagt	tttcagaat	ggcccactga	cattctgtta	gagcttgcta	aacaaacagg	300
ggttcacat	ttccctgctc	ttcgggtctt	caagttttgg	tttctttata	aaaatgggtt	360
cctcacacat	gtgtcctcac	ttagcagccc	tgccagcatc	ttggtccatt	ttcagtgtct	420
cctgtaggcc	ttttctagct	tcagggtctc	ttaaaatgtg	tggtaaccag	ccatttacct	480
ggctaacccta	gctgagccca	gtcatcccat	gaaaccatga	aaaactaatc	actgcgagac	540
agttttgagg	gggtttgtta	caagcaatca	ataacgggaa	tagacactac	agttctcatt	600
cattcagcaa	atagttatca	aagttacaat	atagaatata	caaagtgtgtg	gttgccctagt	660
ctctaggttaa	ccagaatggc	acacagatgc	tactgcagat			700

<210> 492  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 492  
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 aaagttacaa tatagaatat acaaagtgtg ggttgccatg tctctaggta accagaatgg 180  
 cacacagatg ctactgcaga tatagggtta ggcagattca agtcagccac aagtacttcg 240  
 acactcttcc catcaagaga tacagtatcc tccctcactg aatcttgagg gtttctgtga 300  
 ccactctaac caacagaaaa agaagtgtca ccatgccagt ttcttggtct aggccttaaa 360  
 ggacttgacg cttctacttc ctgttcatgg aatacttacc cttaggatac tctgtttagt 420  
 aacccagtca ctgtgctgcc aaaagcccaa gacgcacgca gaggccatgt gaagatgtcc 480  
 tattttgaca gcccagctg agctcccaga caatagttag catcactgtc agtcatgtga 540  
 gccatcaaga acatccagct cggttatgct ttgagacgac tgcagccaac atctgactgc 600  
 aaccgtaaga cccaagtga aagccaccta gctgagccca gtcataccac agaaccatga 660  
 aaaattattg tgagacagat ttgaggtttg ttacatagca 700

<210> 493  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 493  
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 aaagccacct agctgagccc agtcatacca cagaaccatg aaaaattatt gtgagacaga 180  
 tttgaggttt gttacatagc aataaataat tggaaacagac attacagttc tcattcattt 240  
 agcaaatagt tatcaaagtt gcaatataca aggaactgtg gagatacaac gagtaagaca 300  
 tgcaccttac tcttagaggg gaaactgtgg cccagcacgg tggctcacgc ctgtaatccc 360  
 agcacttttg gaggtgagg caggcgattg cctgaggtga ggagtttgaa accagtctgg 420  
 ccaacatggt gaaaccctct ctctactaaa aatacaaaaa aaattagccg agcctggtga 480  
 cgtgcgcctg taatcccagc tacttggggag gctgaggcag ggggaattgct tgaaccgggg 540  
 aggtggagat tgcagtgagc caagactgcg ccactgtact ccagcctggg cgacaaagca 600  
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 cgatgttaat ttctgccatt tattgtataa cagtctaaca 700

<210> 494  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 494  
 ctacttgagg ggtgaggca ggggaattgc ttgaaccggg gaggtggaga ttgcagttag 60  
 ccaagactgc gccactgtac tccagcctgg gcgacaaagc aaaactctgt ctcaaaaaaa 120  
 aaaaaaagga gccgtgatag ctagggtcct aaaatataat acgatgttaa tttctgccat 180  
 ttattgtata acagtctaac acagaactaa gctcatatct ctactacgtg tactttctac 240  
 caatttcaaa ttttatccat ttgatctttt tcttttcaag atactacctt attcctctcc 300  
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 tttagcagctt aaaataacag cacttattat ttctcagaga tatgaggatc aagagatacg 480  
 cttctgactc agggctctcg atgaagtgcg aatcaagctg tcagccagga ctgcagtcat 540  
 ctttaaggctt gactgtaca aagtctgctt ccaaactcac ttgctcaaag gcctcaggtc 600  
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 aagagacaga gggagacaga gtgagtgaga gaggggagga 700

<210> 495  
 <211> 700



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 495

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aaagtctgct tccaaactca cttgctcaaa ggcctcaggt ccttggcata tgggcctctc 120
cagagggctg cttgcaacat ggcagctagc ttccctcaga caagagacag agggagacag 180
agtgagtgag agaggggagg agtgggggag agtgagcgag ttcacacaag ggtacaagca 240
cattgcgaga acagaagaag ccatagtacc ttaaataacc taatgttgga aaggccatgc 300
tatcacttct gcctgtttta tcagttatat agaccaatca tgcaacagca tgagatggga 360
ctatacaaga gtataaatac caagaggccg agattactag ggaccatctt agaagttggc 420
tgccacaaac cacatcttct taggcctttc tttctccttt tcctgaaact cctccttggg 480
tttccaggac aatcactttc actctcctgg ttttctgct tcctgagctt ttctcagcct 540
gtttcagtc atataatta attagattaa ttttctctaa atacatcttt cactaactcc 600
cttaggttgg ctcctcatca cctatcagag ttacaactag acctgaatat aatgtagccc 660
tatctcccca acatacagga ctcaatccct ataaataatt              700

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&lt;210&gt; 496

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 496

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cactctcctg gtttttctgc ttctgagct tttctcagcc tgtttcagtc aatatattaa 60
tattagatta attttcctaa aatacatctt tctaactc ccttaggttg gtcctcatc 120
acctatcaga gttacaacta gacctgaata taatgtagcc ctatctcccc aacatacagg 180
actcaatccc tataaataat tccccaaact ccagataaca tttctactgc agcataggtc 240
atactcctct tccctttgca ccgtgttctg acttccgtct cctctcagtt gagctgaatg 300
aacttctcca ggtcttatat tctcttctct gcttcattct caaaatattc ttctcattct 360
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ttattaagcc tagcttttcta aatgttgaat tctgagagct tgtcttctta atcagaccat 480
tagctcctgg agggctcatgt cttaggtctc tggcactagc cttgttctct atgttctggg 540
agacactaag gcaatcatca catatttctt gacttgattt ttgtttgtaa acagaacata 600
acacgaattt cttgtataag tgatggaaaa tataaacaac cgaaaatcat ctatgattca 660
ttcttttagc aagtggaaaa gacattaaaa acatagttta              700

```

&lt;210&gt; 497

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 497

```

tcttaggtct ctggcactag ccttgttctc tatgttctgg gagacactaa ggcaatcatc 60
acatatttcc tgacttgatt tttgtttgta aacagaacat aacacgaatt tcttgataa 120
gtgatggaaa atataaacia ccgaaaatca tctatgattc attcttttag caagtggaaa 180
agacattaaa aacatagttt aaaatctgtc ttctgggaga acttttcaat acttaaattc 240
ttttgctggg ttcagaaagt ggcattgtca cagacagtcc taaatctgtg aaaatctatg 300
cccacaagct aagtcttggg aattaaacac acatacaaaa gaacgtaaaag actgtgtcta 360
cctcatagtt taagaaataa gcttactggc tatgcacggg gctcacacct gtgatcccg 420
cactttggga ggccgaggtg ggccaatcac tttgaggcca ggagctcgag attagcctgg 480
ccaacatggt gaaactccat ctctactaaa aattacaaaa attagctggg cgtgggtgga 540
catgcctgta atcccagcta ctgaagaggc tgaggcatgg gaatcgcttc tgggaggtgg 600
aggttgcaat gagccaagat catgccactg cactccagct taggtgacag agagagactc 660
tgtctcagaa aaaaaaaaga aaaagaaaaa aagacaggaa              700

```

&lt;210&gt; 498

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 498

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tctctactaa aaattacaaa aattagctgg gcgtggtggt acatgcctgt aatcccagct 60
actgaagagg ctgaggcatg ggaatcgctt ctgggaggtg gaggttgcaa tgagccaaga 120
tcatgccact gcaactccagc ttaggtgaca gagagagact ctgtctcaga aaaaaaaaaa 180
aaaaagaaaa aaagacagga aacaagctta tctttaaaca aaataattga atcttcttat 240
catagaagtg atataagaca gggcatacca gctcagagtc cttactgagt aactaccatc 300
tgcccaggca tgagatgggt accttttaca atgtgctgct acatgtacag tgaaggtaaa 360
tcccattctt acctcatggg cacaagtccc agcatttcat cacgccgctt ttcctttttt 420
tttagctctg attctgttga cttgagttta tctggagcaa gtcgcagttt agactgcaaa 480
tactgatga cttcttgtaa ctcagcctct gtctgaaaaa ctctctgaca aacggggcaa 540
catgactggg tttcgtctgt tagctgagta atgaactggg agtaaactgc tgtggctcca 600
gccagcatgg ctattttaag aaaataaatt atatcaccaa tgagaaaaaa acataaaaata 660
cagtattctg aatacggttg tatctttttc tataaatata 700

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&lt;210&gt; 499

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 499

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actcagcctc tgtctgaaaa actctctgac aaacggggca acatgactgg ttttcgtctg 60
ttagctgagt aatgaactgg gagtaaaactg ctgtggctcc agccagcatg gctattttta 120
gaaaataaat tatatcacca atgagaaaaa aacataaaat acagtattct gaatacgggt 180
gtatcttttt ctataaatat atgattattc ttgctttata aatatattat aaaagaaata 240
aaaattctga tatttaaaat tccgatattc gcttccaaag agcatgatac attcagattt 300
gtataaatat tttttggtaa cacattataa gtataacaaa atgcctactg agagctttct 360
atgtgccagg cactgttcta agggctttat aattacaatc tcattcacac ctcagtacca 420
caggtggtag ttgtgtcctc attttataga caatgaaaca caggaagggt tcagtaactt 480
gcctaaagtc acacagttag taagttgtag agccaggact gaaatccaag ccattaggct 540
ccataaccag gtttttaaat tccccatcct taacagttac ctgtgaatga aaattcaaag 600
gtgtcaaaag atcctgataa tataaagtag acaacttacc tcgctgtttt gatgattttt 660
caatttctc ttttaagcctg tctaaatcac tttcaaaatc 700

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&lt;210&gt; 500

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 500

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gtaagttgta gagccaggac tgaaatccaa gccattaggc tccataacca gggtttttaa 60
ttccccatcc ttaacagtta cctgtgaatg aaaattcaaa ggtgtcaaag tatcctgata 120
atataaagta gacaacttac ctcgctgttt tgatgatttt tcaatttcct ctttaagcct 180
gtctaaatca ctttcaaaat cctggctacc acaaacatca aacagcttgt cttcgtaact 240
ggacaactgc tcttcctttc tttttagttc attatttata tgatttttat tctgctcaga 300
tgaagctagt tccttgctaa aataagagca aatatggatt ttcattttta aataggagaa 360
attagtttga aaatttgagt aggcaaaaac aagacaaatt ctgccaacaa atcatgacaa 420
gagtttggtg tgaccaaaata atttttttca gaagttgagg gactagtcca cttctgcctt 480
aactctcccc ctaggacact gactcacctg ccagtcctac tcatgggcct gctcccagaa 540
aaatgtacac agaattctgc ctggtttctg ggggttcatg gtctttgatc ccagggttaag 600
cctcagcaag atgcttgcta ggactattgg acagaaagaa gacaagagaa catccccgta 660
attcccttta gtcctttcac aaataactact tccttactct 700

```

&lt;210&gt; 501

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 501

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tgactcacct gccagtccca ctcatggggc tgctcccaga aaaatgtaca cagaattctg 60

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cctgggtttct ggggggttcat ggtctttgat cccagggttaa gcctcagcaa gatgcttgct 120
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caaatactac ttccttactc tcctgtaaat actgtttctt ttgtatcctc cccctccttg 240
ttgctgtcat ccacttgctg ccagatcagt cattccctct cattcatcaa agattttgct 300
tactagtaca atttatcccc actttaattc ttaaacaatca tcctagccaa cctcaatact 360
cacacataac atgggtttttc aatttgacag tttagatgca ttagctacca tgtaatcaat 420
ttaatgtatt cagcatatatt tttaaaaatg aaacagaata gacggtaata tattggagta 480
ggctgtatgt atatgtacta ctttgagaaa tttgtttcag ataaatgtgt gtgactgcac 540
acatgcttct tcatcatgac taccatcct gagtcacagt aaacatttgg aaaaaagtaa 600
ctaatatgat gatattttca ttatcctaga ctcccttgag cacttctcat caagatcacc 660
agtgcctaa gtgccaaagta cagtcttcat cttactctac 700

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<210> 502
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 502
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ctacccatcc tgagtcacag taaacatttg gaaaaaagta actaatatga tgatattttc 120
attatcctag actcccttga gcactttctc tcaagatcac cagtgcacta agtgccaagt 180
acagtcttca tcttactcta cctctacgta gcaccaaaca ctggtgacct tctccttgaa 240
gactattttc ccaaggcacc tagacaccac agctatctgg ctctcaccct gggtccctgg 300
gcacatccca gtttccttca cttgctcctt tccttttgcc tgctaacatt ttaaattggtt 360
gtgcttccca ggaatctaata tgtaactcct tccctttgca taactctctc aagggtgacat 420
actaatgact ttgagtatcc cttacatagc aacaacttcc aatctcctga atttcaaact 480
ccaatattgt attccctcac agatacttcc acaagaaaca cagattaaac accaccaag 540
ccaagtcctt ctactttcct caaaaatctg tgtggaattt ttgaccgct tatccaacca 600
ctatccaagg taacatctga gaaacatgat cactttttat aatggattac tcacagaaat 660
gaaaatagaa tttttaaatt ttaactcttca taggtctaca 700

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<210> 503
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 503
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tcaaaaatct gtgtggaatt tttgaccgc ttatccaacc actatccaag gtaacatctg 120
agaaacatga tcaactttta taatggatta ctacagaaa tgaaaataga atttttaaat 180
tttaatcttc ataggtctac aaattttcaa gggacaagag gcctaaatta ctatccgtta 240
ccattttact taatttgcaa aatatgaggg gtcttcaaaa tgttcatgga aaatgtgtat 300
tataaaaaaa actatgcatg aagttcaaaa tgttttgcac tgaaacaaac tcatactaac 360
ttgttataac atgtctgaat aggatctagt ttaaggcact aacaaggtta agacatcagt 420
ttgaaaagag ccccaattaa actgaagcaa gaacaagtat caaatttatg gtgaagtgtg 480
gggtggaagaa tggtgaaatc attgatactt tacaacaagt ttatgagatc aatgccccaa 540
acaaatcagc agttttacaaa tggataactc agtttaagaa gggatgagac gatattaaag 600
atgaagccca cagtgcacaga ctgttcacat caatttgtga ggaaaaaaa tcactttctt 660
catgccctaa ctgaagaaga tcaatgatta acagcagaaa 700

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<210> 504
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 504
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atggataact cagtttaaga agggatgaga cgatattaaa gatgaagccc acagtgcacag 120
actgttcaca tcaatttgtg agggaaaaaa atcatcttct tcatgcccta actgaagaag 180

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atcaatgatt aacagcagaa acaatagcca acaccataga cacctcaatt gattcaggtt 240
acacaattct gactgaaaaa ttaaagttga gtaaactgtc tacttgatgg atgccccaaa 300
tacttgcttc cagatcagct gcagacaaca gcagaacttc ctcaataagt gggatcaagt 360
tcctaaagca tttcttcaaa gaattgtaac aggaggtgat ggaatgtggc tttaccagta 420
caatcctgaa gacaaagcac aatgaaagca atggctaaca agtgggtggaa gtgggtccagt 480
caaagcaaaa gcagaccaga taagagcaaa ggcatggca acagttgttg gggatgctca 540
aggcattttg cttgctgact ttctggaggg ccgaagaaag gtaacaactg cttattatga 600
gagtgttctg agaaagctag ccaaagcatt agcagaaaaa tgcccaggaa agcttcacca 660
gagagtcctt ttccaccaca acaatgttcc tgctcattcc 700

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&lt;210&gt; 505

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 505

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tttctggagg gccgaagaaa ggtaacaact gcttattatg agagtgttct gagaaagcta 120
gccaaagcat tagcagaaaa atgcccagga aagcttcacc agagagtcct tttccaccac 180
aacaatgttc ctgctcattc ctctcatcaa acaagggccca tttgcaagag tttcgatggg 240
aaatcattag gcattccact tacagtcctg atttggtccc tcctgtcttc tagtttctta 300
atcttaaaaa aatctttaaa gggcacccat ttttatgcta gcaatgtaaa aaagactaca 360
ctgacatggg taaattccca ggaccctcag ttcttttagga ctgaactaaa ttgctggtat 420
cactgctcag aagagtcttg aacttgatgg agcttatgtt gagaaatata gtttatttaa 480
aatttttatc ttttaattcc atttttccat gaactttctg aagtctcctt gtatgtaaga 540
actaaagttt atcaatataa cataccattt catgacaata aattatttta aaacaattaa 600
acaggtaagc atgaaataag agattttctat tacatctcca aatgttgcaa cttacttcaa 660
tttggaagc ctgtccctgg tctgattaat ttcttttgat 700

```

&lt;210&gt; 506

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 506

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catttttcca tgaactttct gaagtctcct tgtatgtaag aactaaagtt tatcaatata 60
acataccatt tcatgacaat aaattatttt aaaacaatta aacaggtaag catgaaataa 120
gagatttcta ttacatctcc aaatgttgca acttacttca atttggcaag tctgtccctg 180
gtctgattaa tttcttttga tttactatgt agccagtctt caagctgttt tttgttggga 240
aaatatccca acagtggagt taattcatca ctgtgcctag attttatttt tctgatttgt 300
tcatctttgt cagcctatag gtaaaaaaaa aatcttttaa aaataaagtc tataatctcca 360
cattatatca agaacaaaaa taaattctag actgactaaa gttctaagct taaaactata 420
aaaatatgaa aataaaatat aaaatttctt aaagttctta aagtcttcaa gtggggatgg 480
tctttctaag ccttaagagt ggagtaccaa gtggaacaat ataaaatttt aaaatttgtg 540
tatgttaaaa gttaacagta atgtgcatgt gtgtatatac atatataac atttctgtat 600
taactttttg taattaaaca ataactttta agcttgaaag tctattatat agagtactaa 660
gctcacttag cctctaaaaa atagtcaata ccaacttaat 700

```

&lt;210&gt; 507

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 507

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tgagtagcaa agtcgaacaa tataaaattt taaaatttgt gtatgttaaa agttaacagt 60
aatgtgcatg tgtgtatata catatatata catttctgta ttaacttttt gtaattaaac 120
aataactttt aagcttgaaa gtctattata tagagtacta agctcactta gcctctaaaa 180
tatagtcaat accaacttaa taccttatag tctatgactt atgagtgcaa ggtaggctat 240
tttaagtacc agacagtata attagaacaa aaagaaaaat catactttgt ctttgggtcag 300

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catctccatt tgggtacgtg ttgttgatg atggtttaac tgctccatct cctgggtcaag 360
tttacgcagg gtccctgtcta agtctgcttt ttcatttttg agacttatta cttccatttt 420
taaggtttct acattgctgt ttttctcagc cttgcttaac tcacgttcct agtcaataat 480
tcatacaaat gcaaagggtg tatatatatt gtgcaagaat taaaataatg acaaagtgtg 540
ttagaaatta actactcctc agaatgttcc aaatattact gtttgcattc aacaagagaa 600
aaaaacataa ggcactatat atgctcctaag gtatatctta ttaaagtgtg cttactatgt 660
tataatggta gagaattagt aaataaacct agaagggtca 700

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<210> 508  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 508
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tatgtctctaa ggtatatctt attaaagtga cttactatgt ttataatggg agagaattag 180
taaataaacc tagaagggtc aaacaggaaa gaaatgtgag aattactgta aaattaggag 240
acatgtgtct aagtacacag attagtgtgt cctcagtcaa caattaaata tttattatgt 300
ccccatgtaa ttcactatat tgcctgggtg gtgaaacta taaaaatagt gtgatgtggg 360
ccctgaccaa gtatctcccc accccaacaa gacaacactg atgaagtgtt aaactgacaa 420
aaatgtatgc tacaatgggtg agttatggag caaaaataaa tgtttacata aattatcaag 480
atgggcttta agaagtttgc catgcttttag aatgcttact ttggtaatgg agatgtgaag 540
aaggaggaca gactagaagc aagaaagaaa atatggaaat acctgaaaag attggctaag 600
aaagttttta acacagaaaa agtaataata cagcaaaaat catctagaat tacaacgtgt 660
gtgacctaga ggaaaaatac ttgctttttt aaaacttttg 700

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<210> 509  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 509
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aagtaataat acagcaaaaa tcacttagaa ttacaacgtg tgtgacctag aggaaaaata 180
cttgcttttt taaaactttg gcaagtgttc ttttctttt ttttgagatg gagtccact 240
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ggttcaagcg attctcctgc cctggcctcc caagtagctg ggattacagg cacacgccac 360
cacgcccagc taatttttgt attttttagt gagacggggt ttcaccatgt tggctggaca 420
ggtcttgaac tcctgacctc acgttatctg cctgccttgg cttcccaaag tgctgggatt 480
acaggtgtga gacaccgcac cgggcctggg aagtgttctt aatcaagggt ctcataagaa 540
ttagccagtt ttgttggtgt ttgaatgtac atttctatgc cccattctca gagattttga 600
tttgaagggt ctgaagcttt aaggtctgag tacagtatct ttaaaaagct ccctatgtga 660
ttctaatttt caggctatcg ggttgtagaa ccaaagagtc 700

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<210> 510  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 510
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aataagacaa agttgatgtt tttattaaaa tgctataatc ttaggatcaa aaatagacaa 300
aatacttcta aaagtattat atcttaaaat tattagatta ttcaaacaat atcttacagc 360
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agtctctttt tctgcaaagt cattctaaat gcatatgtaa agaattgagca ttaataattt 600
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<210> 511
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 511
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gctcagcagg gatataattc aagaaatgca tcattaggca attttatcat tgtgtgaaca 240
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caaataaaaa atgtagggtt acattttctt catattttta tctttataca cttaagaaca 660
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<210> 512
<211> 700
<212> DNA
<213> Homo sapiens

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<210> 513
<211> 700
<212> DNA
<213> Homo sapiens

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aaccactaat ttctccacta tttctaaaat tttgacatta taaaaatgtt atataaatgg 480
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tcttcattca tacagaaaat gtataacatc atagtaggaa aaacgaccaa ataaacattt 600
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<210> 514  
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 <212> DNA  
 <213> Homo sapiens

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agcagttctg atttttcctg attgagaagc ctagattctt tatttagttt ttccagttca 180
cgatgacagt ctaccaattt cctttctttc tcccttactg ttctctggtg attgtgatat 240
aagtcattta gttgctcatc agtcccttga aaaacctgtg taacacccaa ataaaaagct 300
ttaatgtaca aacataagaa aatatgatca ctttgaggta tcaaataata accaaacctt 360
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tttttagagag attatgttca atttctttta gacgattctg aaaataaaga aacattacat 660
aaataaaact cactatagct tacatggctg atagatgaag 700

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<210> 515  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 515
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aatttctttt agacgattct gaaaataaag aaacattaca taaataaaac tcactatagc 180
ttacatggct gatagatgaa gacaagtaag atactccagg tccaggcatt tagtaaaagt 240
gatctcattt aaggctaaca ataacactgt agagcaggcc tagagaaact gaagttcaga 300
gacattaagt aacttggccc aagtccctcac agctagtaga gagaagcagg aattaaattc 360
cacttctaac tccaaacacc atgtcctgtc ctcaacacct gccacaaaag tcattattca 420
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aagtcaggac tactgagaag gctagaaatt catgggtgagt taccaatgca ttctgagcct 540
ataggcaaat ttacatgaag agtatacttt aatccaaagc ttgctcaacc acagaggact 600
ctgagcaagt aaagtacaac aagggagctc agtggcctgc tctgaggctc gcttccagag 660
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<210> 516  
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 <212> DNA  
 <213> Homo sapiens

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caaggagact cagtggcctg ctctgaggct cgcttccaga gacagctggt tgcctcatct 180
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gctttcataa ttgcacaaa atgcatcttc gactttaaca taatttatta aaattatact 600
aatagtatag cttgtgattt gtatatgaac gtaaactgtc atatacaaat gaacctaaaa 660

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acagaaaactt tgtttacttt gttccctaatt gtatccccag 700

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 <212> DNA  
 <213> Homo sapiens

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 tatatactaa gcaggaaatt caaaggactt aactgacttg tacaaaattg tatagttaag 420  
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 <212> DNA  
 <213> Homo sapiens

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 aaaaaaaaaa agaactctca cagctcaata ataaatgac caataaataa ataacattga 660  
 aaaataggca aaagactttt atattttact aacgaagata 700

<210> 519  
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 <212> DNA  
 <213> Homo sapiens

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 tatattttac taacgaagat attcaggtgg caaataaata catgaaaaga tgctcaaaat 240  
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<210> 520  
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 <212> DNA  
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 gggatatata ccagtaatgg gatggctggg tcaaatggta tttctatttc tagatccttg 660  
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<210> 521  
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 <212> DNA  
 <213> Homo sapiens

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<210> 522  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<210> 523  
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&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 523

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&lt;210&gt; 524

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 524

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&lt;210&gt; 525

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 525

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&lt;210&gt; 526

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 526

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&lt;210&gt; 527

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 527

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&lt;210&gt; 528

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 528

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ttctgtgcaa tttttgaatg cttcaaaaac tttctgcaaa ttttaaaaat tctctagaaa 660
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&lt;210&gt; 529

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 529

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tgaatgaatg gaatttctg taggcctttc ttataaatca ccgggttgag gaaggatatac 60

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tcatttgcaa atatatgaac atgttatgga tcaattccaa attctgtgca atttttgaat 120
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&lt;210&gt; 530

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 530

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tttaagtgtt ctcaccataa aaaaattgaa gtaatgaacg ttaaatagct tgatttagcc 60
agtccacgat gtatacttat atcaaaacat catgctgtat accataaaga tatacaaaat 120
ttgtcaatta aaaataaaat caagttacct tcaatggatc aagttcattc tcataggatt 180
tgacaatttc ctttgaagat gttaactggg cttccttact tgtaatctga tcacgaatct 240
cacaagcttt ttcccttatat tgcttcagat attttagttc catttgatat tcttttactt 300
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&lt;210&gt; 531

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 531

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aagtagttca ggaaagggaag ccagaattta ttttttacat atttggactt ttaaataata 660
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&lt;210&gt; 532

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 532

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aaactattta acggttcaca gatgaaaaga tatgtaaaac aaagtagttc aggaaaggaa 120
gccagaattt atttttttaca tatttggact tttaaatata ataatttaga atacttagag 180
atactatata gagcattaac tgtcttaaaa ataagagaca aagaataaaa caaaacatga 240
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gaggttgcag tgagnngaga tnnnnncatt gcactccagc ctgggnnacn agagnganac 660
tcngtctcaa aaaaaaaaaa aaaaaaaaaa nnnnnagaaa 700

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&lt;210&gt; 533

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 533

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gggntnnaat agacacagat aaatcaatag gttatcacat gaggtcatgg aaagacaatg 300
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tttggttttg gaaacgttga acctaaagtt tctttgaaac aactggtaaa aaaaatcaga 600
gatggggctg ggcgcggtgg ctcacgcctg taatcccagc actttgggag gctgaggtgg 660
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&lt;210&gt; 534

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 534

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gtcacgcct gtaatcccag cactttggga ggctgagggt ggcggatcac gaggtcaaga 180
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gccaggcatg gtggtgcacg cctgtagtcc cagctactca ggaggctgag gcaggagaat 300
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&lt;210&gt; 535

&lt;211&gt; 700

<212> DNA  
<213> Homo sapiens

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tggggtgaat gaagtagtat gtagctgtga tagaaagaga gaacagtatt gtatcatgga 180  
gggtctagaaa aagaaatddd caaataaaaa gtaataaaact agcattttact tagctatggg 240  
acatggaaca atggctcctcc aagatgtcca catttttaatc ccttgaattt gtgaatgtta 300  
cattgcacag caaaagagaa ttaagattac agatggaatt aggggtgtta tcatttgacc 360  
ttaaaataga ctatcctgga ttatttgatg ggggcaaatg taatcacatg ggctccttaa 420  
tgtgagagag gaaggcagaa gaagagagaa gaagagggtca cagtgaattg atatgagaag 480  
aactctgccc actattgctt gctttgaaga cagagtaaga gggcatgatc taaaaaatat 540  
gggtggcctc taaaagacgg aaagaacaag gaaacatatt ctcccttaga gcctccagaa 600  
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<210> 536  
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<212> DNA  
<213> Homo sapiens

<400> 536  
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catcttgatt ttagcccagt gagacccaat tcagacttct aaactacata agtgaagat 180  
aataaatdttg tattgtttat agcactaagt ttgtgggttc ttatagcagt catagaagac 240  
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catctaagat acacacagtg aaaatgaatg cctactttac aaatgaaata aacagaggct 360  
cactcttagg tctactttgt atagcagcag cattacccta attaaaaaca gagttattag 420  
taactttagt cagagggtgt tcaaaggacg aatgggactg caattggagt gaagaggagg 480  
tgaagaaatg gagacagtat caacaactct tttgagagac tggctataaa ggagaagaag 540  
gagacaggta gtaactggag tggaaatgaaa tcccagggtg tgagagatac ttgagtgtgt 600  
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<210> 537  
<211> 700  
<212> DNA  
<213> Homo sapiens

<400> 537  
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acctgcttga gaagccagta tagtgccctcc agcacatagt agatgtgcat tattgggtta 180  
ataaaggaaat tacttagcta gttaaataaa agggaggaga agaagctgaa tagtcaagta 240  
atdttgctcaa caaagacaga gacttgaatc taaggtagtc taatcccaa atccatatcc 300  
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atagtatcca caaaaaatca aatgttcata gtggaggagg ctgtgtgtgc gtgggggtag 600  
ggagaaaatg gaagctcagt actttctgcc caattttgct ataaaccaa aactgctcta 660  
aaaaaataaa gtctaaagtc tattgaaaaa aatttaatat 700

<210> 538  
<211> 700  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 538

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tactttctgc ccaattttgc tataaaccca aaactgctct aaaaaataa agtctaaagt 180
ctattgaaaa aaatttaata tgctccccta aacttatagt agaaaacaac catcaactta 240
cagacctaaa agactgaaaa tgaacagaaa ttcaaatac atataaacac ctactttgtt 300
ctagtaatga ctcttccag agttttaaat tctgtctttt tgcttttctg agtacacacc 360
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gctctcacat ctgtttcttg agcaaccttt gaaggaaaac acagaaaaaa cttatgttac 480
ttaataaagc accagtgttg gttctgagaa aaaggcataa gcaatcttac ccaaatgag 540
ggaacaaaaa gaaaaacatc caaatgagt gatattttta catgctatcc aaaatataga 600
agaatactgt ttaattaatt tacaaaaatg atatactatc tacctccttt attcagcatc 660
attaggagat caggtatgca gatttttcaa ataaatgaat
700

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&lt;210&gt; 539

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 539

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ggttctgaga aaaaggcata agcaatctta ccaaaaatga gggaacaaaa agaaaaacat 60
ccaaaatgag tgatatTTTT acatgctatc caaaatatag aagaatactg ttttaattaat 120
ttacaaaaat gatatactat ctacctctt tattcagcat cattaggaga tcagggtatgc 180
agatttttca aataaatgaa ttttatctct gtaagcatca aaaatgtttt ttatccttaa 240
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gaaaacggac tcatacagta aattggtacc aggagtggag tgctgctgaa aagttatccg 660
aaaatgtgaa agcgactttg gaactgggta acaggcagag
700

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&lt;210&gt; 540

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 540

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tgtaaatgtt ccagtctcag gtatatcttt attagcagtg tgaaaacgga ctcatcacagt 120
aaattggtac caggagtggg gtgctgctga aaagtatcc gaaaatgtga aagcgacttt 180
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gaaccaaagt ttaattacca agacaataag gaaaatgtct
700

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&lt;210&gt; 541

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 541

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cattcaagcg gtgacttggg tgctgttaaa gggatgcagt attaaaaggg aaacagcata 60

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aaagtttggg aaatttgcag cttgacaatg tgatagaaaa taaaatccca ttttctgagg 120
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aagacaataa ggaaaatgtc tccaggggca tgtcagagac ctttgtgaca gccctccca 240
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&lt;210&gt; 542

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 542

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&lt;210&gt; 543

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 543

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&lt;210&gt; 544

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 544

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cattttcaac aacaaaaatc aggaaactga tactgatata ttattaccac atgggtccaca 180

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tgactttaaa atagaaagat taccctggat tatttgaatg aggcaaagta tctacaaaaa 420
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gttgaaaaaa atttaatatg ctcccttaaa gtagtagaaa atgaccatca tcttataaga 600
cctaaaagac caacaatgaa cagacattca aatatcatat aatcacctat tttttctgat 660
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<210> 545
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 545
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cttttggact gaattaatca ggaatgaata actattcatc cattagttat gctgagagtt 540
tttatcatga atgagtatta aattgaaaag ctttttctgt atctattgat gctcatatga 600
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<210> 546
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 546
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tactgtggca aattatactg attgtttttt tctttttcta cagcctaatt cacttgtccc 180
agtacgtcct ttagagcaaa aggattcagt tcagaattac actttgtatt tgggtgggtat 240
gtctctttac tttctttcag cctgaaatag ttgctcagat tttccttgac tttcatgact 300
gataattttg aaaagtacag accattattt tgcagaatac ctcccaaat ttgggtaata 360
tttctcaccg actagaatca gggtatgtat ctttggcaag aatattatac aagcgatgat 420
gagttccttt tactgcatct catcagacag gacatcattt ccatttatct cattacggag 480
gggtattaact tcaatccctt tatttatttt tttagacag ggtctcactt tgtcatccag 540
gctggagtgc agtggcatga acacagctca ctgcatccac gacctctgag tcataagcaa 600
tcctcctacc tcagccccc aagtagctgg gactataggt gcatgccacc acaccccgcc 660
aatttttgta gtttttgtag agatgtgggt tcaccatgtt 700

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<210> 547
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 547
ttattttattt ttttgagaca ggggtctcact ttgtcatcca ggctggagtg cagtggcatg 60
aacacagctc actgcatcca cgacctctga gtcataagca atcctcctac ctgagccccc 120
caagtagctg ggactatagg tgcattgccac cacaccccg ccaatttttgt agtttttgta 180
gagatgtggg ttcacatgtt tgcttagact aacttcaatc tcttgataaa ggtgtatctc 240
ctagcttcac caaaaaattt ttcttttaca ttaattaata atttgaggga gagatgcaga 300

```

```

gaccatacaa ctatctcata cttcatcaaa ctttcttcca ttagtttttag catctactgt 360
ttcttacctg aatgaattat tattatgaca gctatcaaat acaggcatac cccatcttat 420
tgtgtctctc agaggtttgt ggcaaccctg catctaacaa gtctatcggg gccatttttc 480
caacagcatg tgctcacttt gtgtctctgt gtcacatttt ggtaattctc acaatatttc 540
aaactttttc attattattg tatctgttat agtgatctgt gataagtgat ctttgatgtt 600
actactgtaa ttgttttgtt gccacaaacc atccacatat aagagggtgaa cttaatccat 660
taacgtgtgt gtctctgactg ctttactgac ctgccattcc 700

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<210> 548  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 548
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gtatctgtta tagtgatctg tgataagtga tctttgatgt tactactgta attgtttgtg 120
tgccacaaac catccacata taagagggtga acttaatcca ttaacgtgtg tgtcctgact 180
gctttactga cctgccattc cegtctctct ccctctcctt ggaacctgat tgcctgagac 240
acaataatat ggaaattagg ccaattagta accctacaac agcccctaag tgtttaagcg 300
aaagaagagt caaacatctc gttttaaatc aaaaactaga aatgattaag cttagttgag 360
aaaagcatgt caaaatccaa aacagggtga aagttaggcc tctttcatca gttagctgag 420
ttgtgagggc aaaggaaaag ttcttgaata aaattaaaag tgctacttta gtgaacacac 480
aaatgataag aaagtgaac agccttactg ctgatatgga gaaagtttta gtagtggga 540
tagattaaac cagccacaac attccctcag gccaaaacct aatccagagc aaagcccaa 600
ctctctgcaa ttctatgaag gctgagagaa gtaaagaagc tgcaaagaaa agttggaagc 660
tagcaatggg tggttcatga ggcttaaaga aagaagctgt 700

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<210> 549  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 549
cagccttact gctgatatgg agaaagtttt agtagttggg atagattaaa ccagccacaa 60
cattccctca ggccaaaacc taatccagag caaagcccca actctctgca attctatgaa 120
ggctgagaga agtaaaagaag ctgcaaagaa aagttggaag ctagcaatgg ttggttcatg 180
aggcttaaag aaagaagctg tctccacaac ataaaagtgc gaggtgaagc agcaagtgc 240
gatgcaggag ctgcagcaag ttatccagaa gatctagctc aggttaattga tgaaggtagc 300
tacactaaac aacagatttt caatgtagac aagaccgcca tccattagaa cttaacctgc 360
aatatctaag gtatgcctat agtaattttc tagttccatt attcctttta tattagttaa 420
ggttctagta taaggggctt tgctctttct ccatttcccc cccatttttc ttgtatcagt 480
ataaactcat agattcctta cttgggctcc aatccccac caggctgtca cagcttggtt 540
ttgtggatgc cttcctcact cagccacacc taacggattt tggactgaat tattcaggaa 600
ttaatatcc tccatcagtt atgctgaggg tttttaccac gaaagactat taaattgaaa 660
tgcgttttct gtatctattg gtgttcatat gatatttctt 700

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<210> 550  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 550
acttgggctc caatccccc cagggctgtc acagcttggt tttgtggatg ctttctcac 60
tcagccacac ctaacggatt ttggactgaa ttattcagga attaatttc ctccatcagt 120
tatgctgagg gtttttacc cgaagacta ttaaatgaa atgcgttttc tgtatctatt 180
gggtgttcata tgatatttct tttttattct gttaatgtgg caaattatac tgattgggtt 240
cttttctacc gtatctctct aagcattatc tagctgcacc ccacatattt ttacatgcta 300
tatttttgat tcatttaaag tattttttct aatttcctt gtgattcctt ttttgatcca 360
tgtaatatatt agaagtatgc tgcttaattt ttcaattatt tggggatttt ccggatactt 420

```

```

ttctgctact gattctgggtg tagtcacaga atacattatc tatgacttta ctccattataa 480
atattattgac acttggtttta cagtccagaa tgttggtcta tcttacagaa tgttccacat 540
gcacttgaaa ataaagtgtg ttctgctatc gttcaatgga atgtcctata aatgtcaatc 600
aggttgattt ggtaaacagt gttgttaaaa ttttccatat acttactgat atttcatctg 660
cttcttttct ctactgagag ggttattgag atctccaatt 700

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<210> 551  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 551
acagtccaga atgttgggtct atcttacaga atgttccaca tgcacttgaa aataaagtgt 60
attctgctat cgttcaatgg aatgtcctat aaatgtcaat caggttgatt tggtaaacag 120
tgttggttaa attttccata tacttactga tatttcatct gcttcttttc tctactgaga 180
gggggtattga gatctccaat tgaccttgca gatttgtgta tttctccatt ctgttccata 240
ggtttctgcc tcatatattt ggaagtttta catttagaat ttttgtgtcc ttgcattaaa 300
ttgacctctt ctcatcataa aatgtttcat tttccctagt tctgatgtct tctgtctggt 360
attaatatgg tcaactcagc tttcttttca ttagctggca cagtatattt tttcaatcct 420
tttgctttta acctatttgt accattatat acaaaacacc attattccgt ttatttgggt 480
ttttaaaatt attttccatt tttctcatta tgcttatggt ttcctttata tctatgagca 540
tatttataag agttataata aggttttagg gttcttatct actaattcta ttatttcttt 600
cattttggat ctgttcatat gattgatttt tctctgatta tgggtcctat ttcctgctt 660
ctttggatgc ctgttaactt ttgattgtga attttgtatt 700

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<210> 552  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 552
ttttctcatt atgcttatgt tttcctttat atctatgagc atattttataa gagttataat 60
aagggttttag ggttcttctc tactaattct attatttctt tcatttttga tctgttcata 120
tgattgattt ttctctgatt atgggtccta tttccctgct tctttggatg cctgttaact 180
tttgattgtg aattttgtat tgttgggtga aagattttgt tttattcctt taatgagtac 240
tgaactttgt tctggcatgc agttaagttt tttgagcaac aaacagttgg attcctttga 300
acctttgttg ttaaggtctg taaaggggga cctagagcag cttttactct aggactaatt 360
tacaatcatt ttcgacattt tccttcagcc tcaaaaactt tctttaacaa ttactatagt 420
gcaagcctgt ctgtaacaaa ttacctctac cattttgttt taaatctgaa aatgtcctcc 480
atttcacctc caattttcaa agaataattt tgctggatat aggagtttaa cttttattcc 540
ctagcacctt aaaggtgctg tcccactggt ttcaggttta gattgctttt cctaagaagt 600
aatcatactc attattcttt ccctctgcat gatgtgttac tttttcctcc acctgttttt 660
aagattttat atttagtttt gaacaatttg aatgtaattg 700

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<210> 553  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 553
aagaatattt ttgctggata taggagttta actttttatt cctagcacct taaaggtgct 60
gtcccactgt tttcagggtt agattgcttt tcctaagaag taatcatact cattattctt 120
tccctctgca tgatgtgtta ctttttcttc cacctgtttt taagatttta tatttagttt 180
tgaacaattt gaatgtaatg tacaacatag ttatgtttat gctgcttggt atgcattcag 240
cttcttgggt ctttttttat agtttttatt actctgttta gatgtcttcc cacacattat 300
gtccatcttt tcctttaagt ccttgagctt atctatcata gctttaaaaa aatccggctg 360
ggcgctgtgg ctcatgcctg caatcccagc actttgggag gccgaggcag gcggatcaca 420
aggcatgag ttcgagacca ggttggttaa tatggtgaaa ccccgctctc actaaaaata 480
aaaaataaaa aaataaaaaa tcagccgggc atggtcgtgg gcacctgtag ttccagctac 540

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```

tcgggaggct gaggcaggaa aattgcctga acctgggagg cacagggttg agtgagccga 600
gattgtgcca ctgcactcca gcctgggaaa cagagtgaga ctccatctca aaaaaaaaaa 660
tttaaaaaaa atttaaaaaa aaatccttgt ctgctaattc                               700

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&lt;210&gt; 554

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 554

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atcagccggg catggtcgtg ggcacctgta gttccagcta ctcgaggagg tgaggcaggga 60
aaattgcctg aacctgggag gcacagggtg cagtgaagcc agattgtgcc actgcactcc 120
agcctgggaa acagagttag actccatctc aaaaaaaaaa atttaaaaaa aatttaaaaa 180
aaaatccttg tctgctaatt ccaaaatctg tcatctctgg atctgcttct actcactttt 240
cccttctcag gtatagacca cattttcttt tgcataattcc cattaatttt taaaattata 300
ttctgcacat tgtagatgcc acattgagag cttcgactga gtaggcttcc tttaaaaagt 360
cttgagtttt gttctagcag ccagttaatt tactggcaac tcagcttgat tctatcaaaa 420
cctggtttca gtatttggtt ggtgggcctt tctgaggtct caagtgaaca ctggagagtt 480
ccacaaggtc actocattct ggcacatcag gactcaaatg tctcacagca ttgtgtgacc 540
tttagaatac aacactcaca gccccacttg ccaccttggg agttgttctc tactagccct 600
cattaaatct catcctatac atggatagct tagtatttgg ccaaagactc aaaagatcct 660
tatgcagatt tctggtacac catctctgca caacaaccct                               700

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&lt;210&gt; 555

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 555

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tggcacatca ggactcaaat gtctcacagc attgtgtgac ctttagaata caacactcac 60
agccccactt gccaccttgg tagttgttct ctactagccc tcattaaatc tcatcctata 120
catggatagc ttagtatctg gccaaagact caaaagatcc ttatgcagat ttctggtaca 180
ccatctctgc acaacaaccc tacttcagta ctctgctcta caatttccag tcacttttagc 240
aaatccaaaa tcctatcttt gtttcatctg cctagtgatg cccaattctg cccagctctc 300
tactggattc caattccatg tgccaaagtt taaaaagtgt tcccaggtag aaagctggaa 360
tgaatgcaga atcacctttt atgtttctcc tttctcaaag aatatagccc tgcattatct 420
gtggtccaat gcctgaaaat agttgtttca catacttttc cagtgttaca gttattcatc 480
ttgcgagtat aagtgtgata ctcatatttt tgttgcaacc caaatcacia gtactggatt 540
ctgctttaaa aaaaaaaaaa cattaaagat cctttgctga ctttttaatg acttcttggc 600
atgaatttaa ctttgatact aattcaatta atcattcaac aaatatttac aggactttg 660
taggtttcat gtgtgttttt ggttcaaact gacagacttt                               700

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&lt;210&gt; 556

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 556

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actcattatt ttgttgcaac ccaaatcaca agtactggat tctgctttta aaaaaaaaaa 60
tcattaaaga tcctttgctg actttttaat gacttcttgg catgaattta actttgatac 120
taattcaatt aatcattcaa caaatattta caggcacttt gtaggtttca tgtgttgttt 180
tggttcaaac tgacagactt ttttcccttt gaagcatgca agatagggtta aatgtagaca 240
aggtgtgcta aacaccatca taagcacagg ggaaggttag tctaaaggaa gtgaatgttt aaatgaaact 300
aacctatcta ggacagctca ggaaggttag tctaaaggaa gtgaatgttt aaatgaaact 360
tctaccaatc tgggtagaag ttaaccagat gagaagatct gagtcactac gtgactacag 420
aaatttcaga atgtttggca tagaaagtag ggaaaagaag agtatcaacc taaaatgttt 480
cagaaattaa cagccttcta aacttggtta ggcttttgga ttttaagggtga tggcactaaa 540
tggtttgaac caggggaatt gcatgaagta gatatgcatt ttagaagaat tattttgtct 600
ttagggtgaa cagagtgaac tgagacaaga catgaagcag ggaataatcg aggagagata 660

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ggaaggcagc ctggacaagg gttgaggatg gaggtaaaga

700

<210> 557

<211> 700

<212> DNA

<213> Homo sapiens

<400> 557

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aaacttggtg aggcttttgg atttaagggtg atggcactaa atggtttgaa ccaggggaat 60
tgcataagat agatatgcat tttagaagaa ttattttgtc tttaggggtga acagagtga 120
ctgagacaag acatgaagca ggggaataatc gaggagagat aggaaggcag cctggacaag 180
ggttgaggat ggaggtaaag aggaagaagt cgctgaactg gctactcaga aacagcctct 240
taggatacag acatttcaat gaggaggtgg ccagaggtca gtataaagct ttgaaagccc 300
agacttgact ctgtcatttc atcataagga gagcattctg ctgaagggtt aatccacagt 360
agttgaacta aggagctatg tatttatgca gcaaaaaatt aatttgttta cagtgttcct 420
gagtagcaag ccaatacac atactctttc tccatggcat ctacttttcg aggacctagc 480
taccggaac acatcaaatt agtaaataga attcaagcaa gggctatctt gtagcatttc 540
tatcactaca ttgttggtga cactcttatt gaagaagagt cacttcaaaa gtgaagtgtg 600
atttagattg aattattaaa acaaagaaat gtgtattata cttcagaaca atttctatca 660
aaaagaataa aataaaaaat aagaaaaacc cttctttctc 700

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<210> 558

<211> 700

<212> DNA

<213> Homo sapiens

<400> 558

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tagtaaatag aattcaagca agggctatct tgtagcattt ctatcactac attgttggtg 60
acactcttat tgaagaagag tcacttcaaa agtgaagtgt aatttagatt gaattattaa 120
aacaagaaa tgtgtattat acttcagaac aatttctatc aaaaagaata aaataaaaaa 180
taagaaaaac cttctttct ccaacaatc tagttgtaaa accattaggt ggggcagaag 240
aagggtgcgtg ttcatgccag ctgaagggtta aggcacctat aactcagcct agagtggaat 300
aatgagctt gagtaggctg agaaggggtac cctcatgggg aaacagcttg gcatagacag 360
agtttcaaga gtccaatggg atcagagttc cagcaggatg aaagaggaat ccacaaatag 420
gggggatcca gtcagaagc agagtgtcca cgccaggga tagtgtgggg attcagagcc 480
tgataatgat gagaaggggg ccacctgag ggtaagtgc gctaggggga agtcagatca 540
tagatagag acggcattct tgcaagaagc cacctgggtat aaagtatcag actgagaaga 600
gtgacctct cagtgcaca gatctgggga gattcaggtc agagtacagt gggcatccct 660
gcaagaggcc acctggtatc agagaagggc ggggaatgag 700

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<210> 559

<211> 700

<212> DNA

<213> Homo sapiens

<400> 559

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gcccacctga gggttaagtc ggctaggggg aagtcagatc atagagtaga gacggcattc 60
ttgcaagaag ccacctggta taaagtatca gactgagaag agtgaccctc tcagtgcac 120
agatctgggg agattcaggt cagagtacag tgggcatccc tgcaagaggc cacctggtat 180
cagagaaggg cggggaatga ggacatgatc tagcaccaga agtcaaagtg tatacagaat 240
ggaaaagcat cccatgaggg agtcagaatg aagagtcaag agcctacgca ggataaggaa 300
gactggcata cagggatgga gtcagcccat atgaggtgct agggccctga tgcaacgatg 360
agacattgat tacatacagg aggattgatt aagtcfaat attagatta tggttgata 420
agtacattct tgcactgcta taaaaaaaaa acctgaaact gggtaactta taatgaaagg 480
aggtttaatt ggctcacagt tccacatgct atacaggaag caagactggg gagacctcag 540
gaaacttaca atcatggcag aaggcaaagg ggatgctggc acatcttaca tggctggagc 600
agaagaaaaa gagtaaaggg ggaattgtga cagattttta aacaaccaga tctcatgaga 660
atttactcac tatcatgaga acagcaaggg ggaatctac 700

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<210> 560  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 560  
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 gaaggcaaaag gggatgctgg cacatcttac atggctggag cagaagaaaa agagtaaagg 120  
 gggaattgtg acagatTTTT aaacaaccag atctcatgag aatttactca ctatcatgag 180  
 aacagcaagg gggaaatcta ccccatgat ccaatcacc caaccagggtc cctcctgcaa 240  
 caagtccctgc agacttctgc ctggacatcc agacgtttcc atacatcccc tgaaatctag 300  
 gtggagggtc ccaagcctca actcttggtc tctgcgcaac ccagggtta acaccatgtg 360  
 gaagctgcca aggtttacag cttgcagcct ctggagcagc agcttaagat atatctgggg 420  
 cccttttagc catggctgga gctggagtgg ctgaaacaca gggagtagtg tcctgtaatg 480  
 ggaggggctg ctgtgaagat ctctgaaatg ctttctagcc attttcccca gtgtcttggc 540  
 tattaacat tctgtcctc tttacttatg caaatttctg cagccggctt gaattcctcc 600  
 ccagaaaatg ggtttttctt ttctaccaca tgatcagggt gcaaattttc caaactttta 660  
 tgetctgctt ccctttttaa tataagttcc agtttcagat 700

<210> 561  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 561  
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 tttctaccac atgatcaggg tgcaaatttt ccaaactttt atgctctgct tcccttttaa 180  
 atataagttc cagtttcaga tctctttgct tgcacatatg agcatatact gctagaagca 240  
 gccaggccac atgttgaaag ttttctgctc tggaaatttc ttccaccaa tactctaaat 300  
 catctctttc aagttcaaa ttccacagat tcttagagca ggggcacaat gctgccagtc 360  
 tctttgctaa agcatcgcaa gagtgcctt tactccagtt cttagtaagc tccttatctc 420  
 catctgagac ctctcagcc tagacttcat tattcatatc actgtcagca ttttgggtcaa 480  
 aataatttaa caagtctcta ggaagttcca aacttttctc catcttctctg tcttcttttg 540  
 agccctccaa actgttccaa cctctacca ttaccagtt ccaaagtcac ttccacattt 600  
 tcagctatct ttatagcaat accctactct cggtagcaac tttctgcatt agtctgtttt 660  
 ctactgcta caaagaaata cctgaaactg gttaaagaaa 700

<210> 562  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 562  
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 taccctactc tcggtaccaa ctttctgcat tagtctgttt tctcactgct acaaagaaat 180  
 acctgaaact ggttaaagaa aagaggttta attggctcac ggttctgcag gctgtacagg 240  
 aagcatgact gcggaggcct caggaaactt acaatcatgg cagaagggtga agaggagggt 300  
 ggcacatctt acacggccag aacaggagga agagagtga gggggagggt ctacacactt 360  
 ttaaacaatc agatctcatg agaacttact atcacaagaa ctgcaagggg gaaatccacc 420  
 tccatgattc aatcacctcc caccaggccc ctctccaac aatgggggtt acaatttgac 480  
 atgagatttg ggcagataca aattcaaacc atatcggtac tcaattcctt gcttctcatt 540  
 accttcatag tatttacc aaatcccaacc atggataaat gcaactttcc aatttattca 600  
 gtgcttgggc tgaacaagac tgaaaaaaca tacataacca tgatggctgg tctctcttta 660  
 aattttcaca aaaccctga cactgtcatg taatcccaga 700

<210> 563  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<400> 563  
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 aatccccaac catggataaa tgcaactttc caattttatct agtgcttggg ctgaacaaga 120  
 ctgaaaaaac atacataacc atgatggctg gtctctcttt aaattttcac aaaaccctg 180  
 aactgtcat gtaatccag aacacctccc ttaatcaatt tacttactga gggttaaaaac 240  
 tattctatgt tttctaggct caatcaaccc cttctgccac tctcaaccag taacttcatt 300  
 tcttttttca tttgagaata taaaagcaat caaaagagaa cttactcatt ctttcaccac 360  
 taaagtttcc aatcatataa tctgcctaaa tccctgttac aatggataac agtggatgtt 420  
 cctggtatcc cctccagttg ggcaatggat cttatctctt tttgcctact caagaattgt 480  
 gctctgtaat tatccctct cctgcatcaa tgtttctgtc cagagtcatt cccaacagtc 540  
 tacaatgct ctagtatatc ccacttttaa aaacacaata aaacaacaac aacaaaactt 600  
 tcttttatcc tgttaacctc ttcagctact gtctatgtc tgtgtccact tacaacaaaa 660  
 ttcataaaat aattctgttt cacttcttta tcttttctct 700

<210> 564  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 564  
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 cccactttta aaaacacaat aaaacaacaa caacaaaact ttcctttatc ctgttaacct 120  
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 gatctcatca ggcttttaaaa attaactatg tggaactacc tgtatacact aatgattcct 540  
 aattttcttt ctccagtcct aatctctttc ctgaacagac ttctgcttgc caactggaca 600  
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 tattttttcc atagtcccc tattataata aatgacaaaa 700

<210> 565  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 565  
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 acatatccct aatttgcag ttttaaccag atccacccaa atattttttc catagtgcc 180  
 ctattataat aaatgacaaa actattttat ccagttgttc aagccaaaaa ctttggagtt 240  
 atgcttgatg cttttacttc tttcatacac cattatccaa accattagct aatttgttgg 300  
 ttctatcttc aaaatacatc ctaaatccaa acatttctca ccattctacc actaccttaa 360  
 tgaagccacc tatatttctc acctggatca tcacaaaatc ttcttaattt gtctctgcc 420  
 tatctttgct acctacggac agtcttctct cagcaaccag actgagcact ttaaaagata 480  
 aatcagacca tgtcctttcc ctgctcaaaa tctcccaata gacagattcc tatttaata 540  
 agactagaat ccaaggacct acaggatcta gtctctccta tctttctaac tttattttct 600  
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<210> 566  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 566

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ccttgctcatt ccttgaacac accaaccatg ctcagggact ctgcaactag actgaatgaa 180
atgttttctt cccagatttt gaacaactca ttccctcttg aatgaatatt taaaagacaa 240
ctctgattac tctgtgagaa agagagagct tcaagaatga gggcaggaaa ataagttagg 300
agacgattct aatagttgaa agggaatatg atgggtggctt ggaacaggaa cacagtggcc 360
gatggaatga agtagacaaa ttctgacata ttttagaagg gtaggtaaga attgcttatg 420
tagggatgat gacatcattt acaaaactgg cgggggtggg gtactgaggt agtaacagag 480
ctgagaatgt aggcaggaag tgggtacaag gaatcaagag ttctgttttg aacatgttaa 540
atgtgagatg cccattaaat atccaaacaa acagctagac atatatgtct agagttaaag 600
aaagaagtca ggggtcaaata tataaatgtg gtagttacca gcacataacc agtacttaaa 660
gccgttagac tgaataagct catccaagag agatagggaa 700

```

&lt;210&gt; 567

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 567

```

gtgggtacaa ggaatcaaga gttctgtttt gaacatgtta aatttgagat gcccatataa 60
tatccaaaca aacagctaga catatatgtc tagagttaag gaaagaagtc aggggtcaaat 120
atataaatgt ggtagttacc agcacataac cagtacttaa agccgttaga ctgaataagc 180
tcatccaaga gagatagggg agaggggttaa tgcaaagatg gccaactctt gtgtcacact 240
ggctttttaga aatcaagcag gttgggtgca gtggctcaca tctgtaatcc cagcactttg 300
ggagactgag gcaggtggat cacctgaggt gaggaggttg agaccagcct ggccaacatg 360
atgaaacccc gtctctgcta aaaatacaaa aattagctgg gtgtggtggc acaccgtaa 420
tcccagctac tcaagaggct aaggcacaag aatagcttga acctgagaga cagagggtgc 480
agtaagccaa gatctgcca cactgcactc cagcctgggc aacagtgcaa gactccgtct 540
cataaaaaaa aagaaatcaa gcaaaggtag acccaacaaa gactaaagta tagccagtga 600
gaaagaagga aactatgaga ttatagtgtc acaaaagcca agaaggaaat atatttttaa 660
aaagaaatag ccaactgtgt caaatctgac aagatgttaa 700

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&lt;210&gt; 568

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 568

```

aactgcact ccagcctggg caacagtgca agactccgtc tcataaaaaa aaagaaatca 60
agcaaaggta gacccaacaa agactaaagt atagccagtg agaaagaagg aaactatgag 120
attatagtgt cacaaaagcc aagaaggaaa tatattttta aaaagaaata gccactgtg 180
tcaaactctga caagatgtta atgagaatta gaaactgacc actctatctg gcacattgag 240
attattggtg accttacaaa ggcactttta gtggaggaaa aaaagaaaac ctgaatggag 300
tagattgagg gaaaaatggg agtcaatgaa gttaaagacaa tgaggacata caaatcttat 360
gaattttgaa atatattgga acagagaaaa ggtaatggct agagggtaaa ttggagttaa 420
gggagagttt tttgtttgaa gactagagat accagagcat gtttatatgc tgatgtgaat 480
gatccatcaa gagaaactgc tgatccagga gagagatgga aaaactgaag ggcaaaatcc 540
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aaaacaacaa ataatttatc caagaaaaaa cagtatgggc acgtatgtac agtagtttcg 660
tagatgtgat gattggaaaa taagggaatt ctcatttgat 700

```

&lt;210&gt; 569

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 569

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ctgatccagg agagagatgg aaaaactgaa gggcaaaatc cttgggtgga taagagggat 60

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```

caatgagatc tagcctccaa ggagctggtt catgttttaga taaaacaaca aataatttat 120
ccaagaaaaa acagtatggg cacgtatgta cagtagtttc gtagatgtga tgattggaaa 180
ataagggaat tctcatttga ttcttcctat ttctcaataa agtacaaagc aagatcatca 240
attaaggaaa gtagattgta gattttaagga gagagaagggt gggaaacagt cattatggag 300
aggactcagt aaatgtacta aatactatta cattttctaag aggaaaattc ataaatattt 360
tcataattac agagttatct ttaatcacac taaggtagaa acaaataata atcaacaggg 420
ggtcattttaa taaactacag gatataaact caatggaata caattttacta attaaaaaca 480
ataaaataga agtataaaat tatattaatg tgctaaaata tgtatgtgtg aatgcattta 540
tgtgtctcag tagacatggt tttataagca gaaaaaagct tggaagaata cgtaacgaaa 600
acatagtgga actgggggtca gggagcggct agagaggcac atgacccccc taaaaacgaa 660
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<210> 570

<211> 700

<212> DNA

<213> Homo sapiens

<400> 570

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ttatattaat gtgctaaaaat atgtatgtgt gaatgcattt atgtgctcac gtagacatgg 60
ttttataagc agaaaaaagc ttggaagaat acgtaacgaa aacatagtgg aactggggtc 120
agggagcggc tagagaggca catgacccca ctaaaaacga ataaactata tatatatgtg 180
tgtgtgtgtg tgtgtgtgtg tgtattgttg ttctacttct atatgtgcaa aaacaaacct 240
atagaccaa ttctatgtcc ttacacata cgaatagtat aaacaccata attcaaaca 300
tgattcatat acaaagattt ttatcatgat actttttttt ctagacagtg ggtctcacta 360
tattgtccag gctagccttg aactcctggg ctgaagcaat cctcccatct cagcctctag 420
agctatctgg gagtattggc acacaccccc aagcctggct tatcatggta cattttaatg 480
aaaaactgaa agcaatctaa tgtaagaaaa ttacataact actaaagtgt tcatgcactt 540
taagtagaaa atatctcaga catacaaagc agtataaaga ttaaaagaaa cacttacata 600
ccaaacaccc agatgatagt tttttaatga cataggactt catgataatg ttaagtgggg 660
aaaaaaaccc agaatacaaa attaagagta tgacatcagc 700

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<210> 571

<211> 700

<212> DNA

<213> Homo sapiens

<400> 571

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atgtaagaaa attacataac tactaaagtg ttcatgcact ttaagtagaa aatatctcag 60
acatacaaaag cagtataaag attaaaagaa acacttacat accaaacacc cagatgatag 120
ttttttaatg acataggact tcatgataat gttaagtggg gaaaaaaacc cagaatacaa 180
aattaagagt atgacatcag ctatataaaa cagtatttaa aggaggagga aaacacatga 240
aaatgtcaac aacggttact actgggtgct aaaactgtgt ggggctgact ttcatttctc 300
tttatagttt tccagtgccg agttttctat aataagctat tatcattttt ataattataa 360
aaatacaaaa ttgtactagc accattacct tgggatcgtg tacaatgta ttcccttggg 420
ttccaggagg gaaatctcca gtacaaatat attttagaca ttcaatgatg gtctaaagaa 480
atagaaaatt acattatttc gttataagag aaccacagaa gtttaccata aaatatgaat 540
tcattacaaa aatattattt atcatggaaa ctataaaaga taaaatctga cattataaaa 600
cctgtaataa aaatatgatt aagtgttaat gctgtaagtt cacagaaatg ctatataact 660
aagaagttat cctaatatga agaattgtta cttgggaaaa 700

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<210> 572

<211> 700

<212> DNA

<213> Homo sapiens

<400> 572

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cgttataaga gaaccacaga agtttaccat aaaatatgaa ttcattacaa aaatattatt 60
tatcatggaa actataaaag ataaaatctg acattataaa acctgtaata aaaatatgat 120
taagtgttaa tgctgtaagt tcacagaaat gctatataac taagaagtta tcctaatatg 180

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aagaattggt	acttgggaaa	aaaataatta	ttttcaactg	aaacccttta	aactaattta	240
agttaataat	aagaatggct	aacagttaag	tactgtattg	tactaagcac	tcttacatac	300
atttatttaa	ttctcacatt	aactccaggc	tgtaggaact	ttttgtttta	gagacagggg	360
ctcattctgc	tgcccaggct	gcagtgcagc	tgcatgatca	tggcttactg	cagcctcgac	420
ctctcgacct	cctgggctca	agcaatcccc	cagcctcagc	ctcccaaacg	gctcggatta	480
cagtcgtcag	ccaccatgcc	cagcctgtag	aaactttttt	tttttttttt	ttttttttgt	540
ggggggagag	agtctccctc	tgtcaccag	gctggtgtag	tgcaatggcg	tgatctcggc	600
tcactgcaac	ctccacctcc	ccggttcaag	cgattctccc	gcctcggcct	ccccagtagc	660
taggattaca	ggcatgcgcc	accacgcctg	gctaattttt			700

&lt;210&gt; 573

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 573

ccagcctgta	gaaacttttt	tttttttttt	tttttttttg	tggggggaga	gagtctccct	60
ctgtcaccca	ggctgggtga	gtgcaatggc	gtgatctcgg	ctcactgcaa	cctccacctc	120
cccggttcaa	gcgattctcc	cgccctcggc	tccccagtag	ctaggattac	aggcatgcgc	180
caccacgcct	ggctaatttt	tgtattttta	ttagagatgg	ggtttcgcca	cgttggccag	240
gctggtctcg	aactcctgac	ctcaggtgat	ccaccgcct	cggcctccca	aagtgctggg	300
attacaggcg	tgagccaccg	tgcccagctg	tagaaactat	ttttaatctc	cattttataa	360
atgagaaaaa	taaggcacag	agcagtgagg	tcactcgcaa	acaatcagac	aactaataaa	420
tgaagcgaag	aagctgtatt	gaggcagcca	gtcctcataa	acactataca	gtactactct	480
cccttctgct	agtatttagt	acaatcctaa	gtacataaca	agcattcaac	aaataacatt	540
tttacaaaaa	caaaagtaaa	caagtttggc	attcaattct	caaccttctc	tctttctaca	600
ctcttcacaa	atccttcctt	tagactcttc	tccttgctat	actgacatcg	tcttgctttt	660
tcttaagcca	ctattcctga	ccagaatgcc	tcttggttat			700

&lt;210&gt; 574

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 574

tacaatccta	agtacataac	aagcattcaa	caaataacat	ttttacaaaa	acaaaagtaa	60
acaagtttgg	cattcaattc	tcaaccttct	ctctttctac	actcttcaca	aatccttcct	120
ttagactctt	ctccctgcta	tactgacatc	gtcttgcttt	ttcttaagcc	actattcctg	180
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agttttccaa	gttaagcccc	actacatcag	ttacattttg	aatttattta	ttttccatgt	360
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acttttaaa	gaattcttgt	atgggacaac	tactgggaag	tgaatgctat	gctttgaaag	480
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ctgagtgcgc	ggcgacagct	cccggtatcg	tgggattctt	aagtaaacct	tgtccccagg	600
ccaggtccgg	acatccttcc	gggactgctt	caggcaaact	cctaagggtcg	ctgtagcctg	660
caggccacac	cctaaggcac	tttaagggcc	tacacctgtg			700

&lt;210&gt; 575

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 575

acatcaatac	agaccaaagg	gcattccagt	ggaactgaac	tctgagtgcg	cggcgacagc	60
tcccggtatc	gtgggattct	taagtaaacc	ttgtccccag	gccaggtccg	gacatccttc	120
cgggactgct	tcaggcaaac	tcctaaggct	gctgtagcct	gcaggccaca	ccctaaggca	180
ctttaagggc	ctacacctgt	ggagccctag	ggacgcttct	gctcctaagg	agagttctca	240
acttcccat	ttattctccg	aaagatgtag	cgacctgtaa	actgaaggcg	gctactgaag	300

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acttaccgtc tttcccgccc cattgggtcc aacccaaaatt gtaagggggc tgaagaaagt 360
gataatttgc ttatctttgt cctctattcc aaaactccgc acgccagaa tgctcatctt 420
ttcgatccgg gacatgtttg caaacgtttc taatctcacc agggacctgg agtccacaaa 480
ggcttaactg aggcgaagc aaggcgtgca cgggacgtga gaccgcgaa tctcagggtc 540
aggaggatcc gggcggggag cgaggccaca ggactgccaa aagatcctgc cagccaacag 600
cgggagagag ggggcggggg atggagcctt tcctcccaca ccagctgctt tccccgccgg 660
tggggagagc ggaggcgggg accagcctgg ggctgcccgc 700

```

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<210> 576
<211> 700
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 576
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gcgaggccac aggactgcca aaagatcctg ccagccaaca gcgggagaga gggggcgggg 120
gtggagccct ttccctccac accagctgct ttccccgccg gtggggagag cggaggcggg 180
gaccagcctg gggctgcccg ccggggacgc aaagccgtag ccacaatgcg accccgcaac 240
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cacgcgtcca cgccgctctc ctggggcacg ccgggaaatc agagtcccg cgtgctgctg 360
cagctccgac ttccgggtgc ggtacggcga agcagagggc taggtgctgg gtgctgttgc 420
caggggcagc ggacttccgg atctttgctg gggatgggca gcctggagag gcaactgact 480
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cctggaatgg gggtagtggt ggggtggatt ggagaccag gaagcgggg cagttcatgt 600
caaaactatt ttctttttca ttctcattct ctctctaacg ttcgtgtagt aatttccagt 660
gatcacataa catgtgatga cgccattgca gtggcgggtta 700

```

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<210> 577
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 577
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tgggggtgat tggagacca ggaagcgggg tcagttcatg tcaaaactat tttccttttc 120
attctcattc tctctctaac gttcgtgtag taatttccag tgatcacata acatgtgatg 180
acgccattgc agtggcgggt aatggaatgt gcgcatgtgt attcttgccg ttagaaatac 240
caattttaat ttctaattga gtaaatgttg ataattataa ctacagtaca cgctctttga 300
gggtcccccg aatttttttag tgtaaaggcg tctttaagac caaaagtctg ggaactaaaa 360
ctaaaagcag tctgcaaata tgaagaatgt agaggtaatc cattccgatc agtgctccca 420
gcaatagata tctttaaaaa taagggaag agaggttacc tgtctcagaa gtaactgaga 480
atattgcttt cttggaaaca aacttaatgg agggatatca catttaaggg cctagagaaa 540
catacataaa aattactgaa acaatagtgg aggacattta aatgaaacac aaatttgga 600
ttactgtagt ggtataattt gcctctgcct gccttggaag aatgtaggaa atgtttctcc 660
agtcatacaa tccaagcaa ataatttaca gaacctata 700

```

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<210> 578
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 578
aaacttaatg gagggatatt acatttaagg gcctagagaa acatacataa aaattactga 60
aacaatagtg gaggacattt aaatgaaaca caaatttgga attactgtag tgggtataatt 120

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```

tgcctctgcc tgccttggaa aaatgtagga aatgtttctc cagtcataca atcccaagca 180
aataatttac agaacctaat acataaatgt atgtgccaaa ggatgcaagt ggggaagacc 240
agtgagaaat agtctcttgc tgtaccaggt taaaaaaacc ggaaagtgtc agttattaca 300
aaatagttaa aataactaat ggaacaaaac attaaaaatta tataggaatg tcttacttgg 360
caaagcaaat gtaataaaac aatgggaaaa gacgaaagac ctttttttat tttaaaaatt 420
gtaaaatata cataaaattt actgtcttgg ccaggcgagg tggctcacgc ctgtaatccc 480
agcacttttg gagggcgaga cgggtggatc acgaggtcag gaaatcaaga ccatcctggc 540
taacacggtg aaaccccgtc tctactgaaa acacaaaaaa ttagccgggc atgggtggcag 600
gcgccgatgg tcccagctac tcaggaggct gaggcaggag tatggcatga acccgggagg 660
cggagcttgc agtgagccga gaccgcacca ctgcactcca 700

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<210> 579  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 579
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ctctactgaa aacacaaaaa attagccggg catggtggca ggcgccgatg gtcccagcta 120
ctcaggaggc tgaggcagga gtatggcatg aacccgggag gcggagcttg cagtgaagcc 180
agaccgcacc actgcactcc agcctgggca acagagcgag actccgtctc aaaaagaatt 240
tactatctta accaagtgtg catttcagtg gtgttaagta tactcacgta caaccgtcac 300
cacctttcaa cctctacaaa tcttttcaact ttgcaaaaca aactacccat taaacaataa 360
ccctttcctc cccacatcct ccaaaccctg acaaccaaca ttctacttac tgtctctata 420
atcttttact aagtacctca tataagtggg atcatacagt atttatcttt ttgtgactgg 480
ctcatttcac ttataatgtc ctcaagggtc atccatgttg cagctcagtc cccaacccct 540
gggtcactga ccagtatgca tacctggcct gttaggaacc tgggtggcaca gtaggagggtg 600
agcagcaggt gagtgaacat taccaccgga gctgggcctc agatcagtgg gggcattaga 660
ttctcatagg agcacaaaacc gtattttgaa ctgcccataga 700

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<210> 580  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 580
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atacctggcc tgtaggaac ctggtggcac agtaggagggt gagcagcagg tgagtgaaca 120
ttaccacccg agctgggcct cagatcagtg ggggcattag attctcatag gagcacaac 180
cgtattttga actgcccatg agaaagatgt aggttgcccc atgcaaggga tctagcttgc 240
ccattcctta tgagaatcta atgcctgatg atgtgaggtc gaacagtttc atcccaaac 300
catcacccca ctctgtctg tggaaaaact gtcttccgtg agactgggtcc ctggtgccaa 360
aaagggttggg gaccactgta gcataatat gaattcagggt cgtttttaag gttgaataag 420
attcattaca atacacatca cattttgctt atccatctat tgatggacat ttgggttact 480
ttcacatttt agctattgtg aatagtgttg ctatatatat tgggtgtaca atgtcacttc 540
tggaccctgc tttcaattct tttgggtata taccagaag tgggaattatt agatcataca 600
gtaattcaat ttttaattat ttgaggaact gccatactgt tttccacagt gggtgtacca 660
tttgacattc ccaccaatag tgcataaggg tttcaatttc 700

```

<210> 581  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 581
gaatagtgtg gctatatata ttggtgtaca aatgtcactt ctggaccctg ctttcaattc 60
ttttgggtat ataccagaa gtggaattat tagatcatat agtaattcaa tttttaatta 120
tttgaggaa tgccatactg tttccacag tgggtgtacc atttgacatt cccaccaata 180
gtgcataagg gtttcaattt ctacatatgc ttgccaacac ttgttatttt atgttttttt 240

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atggttagcca tctgatgag tgtgaagtga tacctcattg taattttgat ttgcatttca 300
ataattatta gtagcatcat ttcattgtgt tattggccat ttgtgtatct ttgaataatt 360
gactattcaa gtggagactt tttttttttt tttttttgag atggagtctc actctgtcac 420
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&lt;210&gt; 582

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 582

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aaaaagcaaa tctacacttt actttactta ccactgtaag 700

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&lt;210&gt; 583

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 583

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ggaatgcagt gtcctagtgt ggaaactggt tttgcatag 700

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&lt;210&gt; 584

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 584

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tggaactgg ttttgccata gatgtgtgaa ggaaatttgg gagataagta gggaaatttc 240
aatgtagact ggaaattaga taataaaaaa attctctgag gcaggcggat catgaggcca 300
ggagattgag accatcctgg ctaacacggt gaaaccccg ctctactaaa aatgcaaaaa 360

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ggacatgcc	aggttaaccag	gttccattac	aaaaaaat	caactttgta	acaatggaaa	240
ctataaaact	aagataaaaag	ctctaggatt	gggtgggaaa	agatttgtaa	tcaaaatgat	300
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ccaaaaaata	tttagtttca	ctggtgctaa	aattaatgaa	ataaaaaata	aaactactat	420
gagatactgt	tttatacct	atagagaact	tctttattct	ttgttttttg	ttgttgttgt	480
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 <212> DNA  
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taccagaga	aacccacac	agacattagg	aaatgtgcaa	actccacaca	gcctggccaa	360
gaattaatta	ttgttttctc	gtgaatgtta	taacaaagtt	attctaggac	ctgctatgta	420
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<210> 588  
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 <212> DNA  
 <213> Homo sapiens

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<400> 588
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gttcattcgc tctccattag caaaaccttt aaagcctggg gctaattggac cttcagagaa 540
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<210> 589  
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 <212> DNA  
 <213> Homo sapiens

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<400> 589
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gtgaaaatat aagagttatt ttttctggc caggcgcatt ggctcacacc tgtaatccca 180
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gccttttagtc ccagcttctc tggaggctga ggcaggagaa tcgcttgaac ccaggaggcg 360
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atttttaaaa ttttacacag gtgtttatag tagcattgtt taaaattgtg gaaggctaga 600
aacaacccca gtgcctaaaa gttgggaaat ggtgatggaa actatggtac atcagtttca 660
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<210> 590  
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 <212> DNA  
 <213> Homo sapiens

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<400> 590
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agttgggaaa tgggtgatgga aactatggta catcagtttc atctaatagc aggttatcac 180
taaaataata agtaggaat tgtatagata tgtgaaaaag aaatactcat aaaaaagata 240
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tcgaatagag tcaagaagaa aaagagatgt tatcaattta catttagtca tcatgaaaat 480
tgcgaggcat catgctcagt tgattagaat cagttcatgg aaaagtcatt tgaccttaag 540
gactacacag taaaaaccac agttatcagt tttaaagaca tgttgccaat gtgttacc 600

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ctaatagaga taaaagtttt agggcaaaaag gatggatggt acccgccaat gtaacttttc 660  
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<212> DNA  
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<400> 591  
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<212> DNA  
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<210> 594  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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 ttattattta tttatttaat tatttgaat ggaatctcgc tctgtcacc aggctagagt 240  
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 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<210> 600  
<211> 700  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 600

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&lt;210&gt; 601

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 601

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cctccaccct tatgggacat aaaggagagg acacatccat gtattatgta tctgtgacag 300
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&lt;210&gt; 602

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 602

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aaggaagagt cactgaagcc atcaaaatgt aaaagagcct ccattcctgg actgtttggt 180
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tggcagtttc catttcaatc actgtcttcc caccagtatt ttcaatttct ttttaagacag 360
attaatctag ccacagtcac agtagaacat agccgatctg aaaaaaacat tcccaatatt 420
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cttttaagag gaagttaatt ttctgatttt aagaaatgca aatgtggggc aatgatgtat 540
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 <213> Homo sapiens

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 gtgctgtaaa aatgattgta tttcctttcc tctccagact ctgaggattc ctgttcctgt 180  
 acataaaaaa gtaagttaaa ttatgattca gtaaaatgat ggcatgaata agtaaatttc 240  
 ctgttttaag ctgtaaatca ttagttatca ttggaactat ttaattttct atattttgtt 300  
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 gagcatcggt tcagggattc tttccagaag gattccacac tgagtggagag gtgcgtgcta 480  
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 tatgtcctgg tcatattaaa atgtaaaata tatagtttta 700

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 aaacacattg atatgagttt aatgtataat gcattacact tccaaaacat tttttccag 300  
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 tttttgaaaa ttttatctta atatgtgggt gtttggtgcc tagaaaacaa acaaaaaact 420  
 ctttgagaaa gggaaactcat gtaaaatacca caaaacaaag cctaactttg tggacaaaa 480  
 ttgttttaatt aattattttt taattgatga attaaaaagt atatatatatt attgtgtaca 540  
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<210> 606  
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 <212> DNA  
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<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

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tttaaaaatt ttctctcattt agcaccaact gtgcaactgaa gaaatctttc aggggaatagg 180
cacactggag agtcaaactg tgcaaggggg tactgtggaa agactattna aaaacttgctc 240
cttaataaag aaatacattg acggccaaaa agtaagttac acacattcaa tggaagctat 300
atattgtctg ctgtgcctat ttctatggaa ttgacagttt cctgtaatac ctattgtcat 360
ttttcttttt tcacagaaaa agtgtggaga agaaagacgg agagtaaacc aattcctaga 420
ctacctgcaa gagtttcttg gtgtaatgaa caccgagtggt ataatagaaa gttgagacta 480
aactggtttg ttgcagccaa agatttttgg ggagaaggac attttactgc agtgagaatg 540
agggccaaga aagagtcagg ccttaatttt cantataatt taacttcaga gggaaagtaa 600
atatttcagg catactgaca ctttgccaga aagcataaaa ttcttaaaat atatttcaga 660
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<210> 607  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(700)  
 <223> n = A,T,C or G

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actttgccag aaagcataaa attcttaaaa tatatttcag atatcagaat cattgaagta 180
ttttctctca ggcaaaattg atatactttt ttcttattta acttaacatt ctgtaaaatg 240
tctgttaact taatagtatt tatgaaatgg ttaagaattt ggtaaattag tattttattta 300
atgttatgtt gtgttctaataaaaacaaaaa tagacaactg ttcaatttgc tgctggcctc 360
tgtcttagca attgaagtta gcacagtcca ttgagtacat gccagtttg gaggaagggt 420
ctgagcacat gtggctgagc atccccattt ctctggagaa gtctcaagggt tgcaaggcac 480
accagaggtg gaagtgatct agcaggactt agtggggatg tggggagcag ggacacaggc 540
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atggtagggg ataaatgaat gaatgtgctt tccaagactg attgtagaac taaaatgagt 660
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<210> 608  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 608
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tgaatgtgct ttccaagact gattgtagaa ctaaaatgag ttgtaaggcg tcccctggaa 180
gaagggcagt gtgggaacct gtaactaggt tcctgccag cctgtgagaa gaatttggca 240
gatcaatctc attgccagta tagagaggaa gccagaaacc ctctctgcca aggcctgcag 300
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aacactccat tctgcctgct tatggctatc agtagcatca ctagagattc ttctgtttga 480
gaaaacttct caaggatcca gaaaatatgc tctttaaaat attttaaaac tgatatagac 540
ccaaaggaga gaccagtaaa caatattcag ctatattatc cattctctct ttctttcatt 600
caacaaatct gtattgatca caggctctct gctgggtgtg ggatgcagct gtgggcctgt 660
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<210> 609
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 609
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acacacccag gcatgggtgt caggaccgtg gaccaggtec ccaacttgtg catgcacca 420
gccccaggat caggagcaga gctagtggag gagcaagatg gatgaggaca gcacggtgct 480
gaccactcta gacagacagg agacaggaaa caggaaactc aacttgcaaa aagactgaat 540
ctcaacttga ttcaattagg cagatactga gttccagtat actccaggac tattctaggg 600
gctaggattc aacagtgaat aaaacagaca aaatcctttc cttgttacac ttatatcctc 660
tcaaaaaagc tcctttcccc tctttcttat cagggtctaa 700

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<210> 610
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 610
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taaaacagag aaaaactttt cccttgta caattatcct ctcaaaaaag ctcttttccc 180
ctctttctta tcagggtcta atatagttaa taaggactta agactggaat atcacatcta 240
aatccccaat aatgagccct caccaatctg ccagggtcca gagaagctaa aaacaatcag 300
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cacacacaca tgtccacgtg tctactgctg gcatagaaac ctctgactca ctaccatctg 420
aagtccaggc tccttcacag gtcattcaag gtcgacctct gccccctctg acccctgaca 480
tacagaaata caggcatcat ccattgtaaca accttgga caaaacatta accagggtgcc 540
tcattcccat tattttaagt gcgaaaaatt ttaatgcatt atgtctcaac ccaaaatctt 600
caaccaactt cttaaaacat aaaacatagt aaaatgcctg tatataagga aaaaacacat 660
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<210> 611
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 611
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taaaacatag taaaatgcct gtatataagg aaaaaacaca ttaggggtgta aaaatttaaa 180
caaaatattt tgtatttatt tatttaattg tagtaaaata aggatataag atattttaaa 240
cagtacttcc tgatcactca gcagttaata taatgggtgc tttgtctgta taacatgctg 300
cacgtccct tagttaacat tcagagcctt tccgattgtc ttctgtgaac gctgatttgc 360
tactaatcat atgtggaata aacctaaaga ctttgtccat tgactccct catcacttgg 420

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gaagcaggag	gatcacttga	gtccaggagt	tcaagactag	cctgggcaac	atagcaagat	660
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&lt;210&gt; 612

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 612

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actcctgggc	tcaagtgatt	cccctgtttc	agcctcccca	gtagctgggg	ctacaggcac	660
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&lt;210&gt; 613

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 613

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&lt;210&gt; 614

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 614

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gattatagggt	gtgagccacc	gtgcccggctc	tttttattta	tttattcatt	catttatttta	180
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gatgggggttt	caccatgtta	gccaggatgg	tctcgagctc	ctgacctcat	gatctgcccc	420
tctcagcctc	ccaaagtgtc	gggattacag	gcattgagcca	ccgtgcctgg	actgttttta	480
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agtgatectc ccatctcacc ctcttgagta attggaacta taggcaagtg ccaccatgtc 600
cagcagtttt tttaatctca atgtacctgc ctgtggccag ctgacctact gctttcatgg 660
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<210> 615
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<212> DNA
<213> Homo sapiens

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aatgtacctg cctgtggcca gctgacctac tgctttcatg gtctcatatc attgtgtaca 180
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tctccatggt tcacttgtcc gatggaagtc ccattcttac caaagaatca tggcagattt 420
aggttttcct ggtgtcagta ttagctcaga cctcatatct aacaatgttt gaaaagtttg 480
ggtatctcct atactagtgt gtacttatcc tgatgaatgg ctccagatcg ctttggtaaa 540
ggattaaaga aagtttactg catgtatatg tagtgggatt atagagtctt cctgttcaat 600
caatggacac tgggtttatg aatgccttag atgtgggaac tggaggaaga gcttgcattt 660
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<210> 616
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 616
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gaatgcctta gatgtgggaa ctggaggaag agcttgcatt tccactgtgg tggctgatgt 180
cagcccttta ccacttgatt acatatacat gctaattgat tatcaacggt tcttgtctct 240
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atacaaaaaa tccatttttag tattcctgct tctctgagct atctgctctt ttcttcaata 660
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<210> 617
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 617
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gtattcctgc ttctctgagc tatctgctct tttcttcaat actatgggag gaagttcagg 180
tgtctccact tcatattctg tacaccatca tcaggatcag gcttcaagga gccactccag 240
caaactatta ggactaactc cagttgttct tgcgaaaact taattctgag tcgtaagtat 300
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tgtaggagtc tgtcaatgga ggggtgtagc taggaggctg gaggaagaaa aggggacttt 600
ttcttctctg ttgcttccca ttctttgttt ttgtttcctg ttctgtcctt cttatatattcc 660

```



tattcctaatt cctaataccta acatgaaccc tggcagcagt

700

&lt;210&gt; 618

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 618

```

gggattctgc aaaccaatth ctcctttgccc agctgcaacc ctgttaggat ctgtcaatgg 60
aggggtgtaga ctaggaggct ggaggaagaa aaggggactt ttttcttcct gttgcttcct 120
attctttgtt tttgtttcct gttcctgtcc tcttatattc ctattcctaa tcctaactct 180
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ctcaggaact gcactgcatg cagagcagtg tccctctac agatgtctga gtttcaggct 420
cacaaagccc gtccctccaa tttataagtt ttaataatth tcacctgttc cttttgcttc 480
ccagacatag aagtgtctagc tgcttcccac aattgccacc tccttgatac cttattgttc 540
cctttttgccc tgctagttt tccaataact ggctaacagt tctttatatt taattctgct 600
tattaaaata actggtatag tttgtgtctc ctgggtgggt cctagttaac acaagatgtt 660
cttagatctg actttaatta ttggccttga ggcaataagg 700

```

&lt;210&gt; 619

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 619

```

ctgcttccca caattgccac ctccttgata ccttattgtt ccttttttgc ctgcctagtt 60
ttccaataacc tggctaacag ttctttatat ttaattctgc ttattaaaat aactgggtata 120
gtttgtgtct cctggttggg gcctagttaa cacaagatgt tcttagatct gactttaatt 180
attggccttg aggcaataag ggggtgttag ggaggggtgt gggcagaaca aatgtcatct 240
tgtgaagtat atgtttcaag tgaaatagtt attctgtttc caggcaagga gaagttagtc 300
tactctggca agggggaaag gtctgcttct accagttaag gagggctcag agaatttgga 360
ggttcaagag ttttaggttt gtccacccaa atgtttctat cccaggcttc atgggtcccag 420
cctttcctca taagagccct gactttgaca cagaatgtgc aaaatccact cttctccttt 480
gaagctcttc aaaggctgca aataatcaga tcttgagcct aattttcaga tcgggttgcc 540
ctgcagttgc tggaaataag agtctcctc aaagttgcca tgggagttgt cgagcattcc 600
gagaatatgt taagttagaa ttagattgcc atgagcctat ctttttcttt tggttaaggct 660
ttcagtgctg tcagaagagt cattgtactc tgcaatcttt 700

```

&lt;210&gt; 620

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 620

```

aaataatcag atcctgagcc taattttcag atcggtttgc cctgcagttg ctggaaataa 60
gagtctcttc taaagttgcc atgggagttg tcgagcattc cgagaatatg ttaagttaga 120
attagattgc catgagccta tcattttctt ttggtaaggc cttcagtgct gtcagaagag 180
tcattgtact ctgcaatctt tataattacc attgttctca tataaccctg tcattttatc 240
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aaattgcaaa gccactgcct gccagaagtt attatcaacc tacttatatt cagcaatagg 360
ttcatattat tttaaaatag tgaataatcc aatgtcaatg ttccatttcc aagtgtttgt 420
tacctaaaac tacatctgat actaattgtc atagccaggt ctcttcagaa agcagagcct 480
gaagtcaggc tctgcttgcc ttctatgcct ggaaattaag ggtgctgtgt tgggtgtggg 540
gctgacaaag agacagatag gaggcagtg gggcaatctg agaaggcaca caaatatgta 600
tccaatacaa acataaatth ccacaactga tgcaagaaga catagaaaaa tctaaacaga 660
tctagaacca ctaaagaat taaaccagtc atttaaaatc 700

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<210> 621  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 621  
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 ggaggcagtg agggcaatct gagaaggcac acaaatatgt atccaataca aacataaatt 120  
 tccacaactg atgcaagaag acatagaaaa atctaaccag atctagaacc actaaagaaa 180  
 ttaaaccagt catttaaaat ctttcttgaa agaatacacc aagtccagat agttttctag 240  
 gtgagtcctt ctaaagtgtc aggtcacata taattccaaa catatataaa ctcttataga 300  
 aaataaacia aatgagatat ttcccagctc attttgtgaa gctaatatgt agcatacgaa 360  
 agtcagagga ggaaaatata tgaaagaaaa attatgatcc catactcact catgaatgtg 420  
 gacataaaca ttgtttatcaa agttttataa atccaaatcc agcatgtata aaaagacatt 480  
 acataacaac taatgtaatg tctttctttc aggaatataa aattaagtgt caggaatatg 540  
 aaatattcct ttatttcagg aatataaaat taaatgtcag aaaatctatt aatgtaattt 600  
 accacattaa tcacttttta aagagaagaa tcaggctggg cacagtggct cacgtctgta 660  
 atcccagcac tttgggaggc cgaggcaggt ggatcacctg 700

<210> 622  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 622  
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 gaataaaaa ttaaatgtca gaaaatctat taatgtaatt taccacatta atcacttttt 120  
 aaagagaaga atcaggctgg gcacagtggc tcacgtctgt aatcccagca ctttgggagg 180  
 ccgaggcagg tggatcacct gaggtcagga gtttgagacc agcctggaca acatggtgaa 240  
 accctgtctc tactaaaatt ccataattag ctgggcatgg tggcggggcac ctgtaatccc 300  
 agctactctg gaggctgagg cagaagaatc gcttgaacct gggaggcgga ggttgcagtg 360  
 agttgagatc gtgccattgc actccagcct gggtgacaag agcgaactc agtctcaaaa 420  
 taaaaaacia aaaagagaga gagagagaga gaagaatcac atgatgatat caatgcagaa 480  
 aaagcattac tgaaatttta cattcattta ttataattac tttttaaaaa agtcaaaaaa 540  
 gaaaggaact tttttaaacct gataaactta cagaaaatac tgtgtcfaat ggtaatatgt 600  
 tcaaatcacc tctttaaaaa aagaataatg caagaatacc tgcaggacca ctctgtgcac 660  
 tgcacaatcc caggaagcac catttacatc agagacatta 700

<210> 623  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 623  
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 tgataaaactt acagaaaata ctgtgctcaa tggtaatatg ttcaaatac ctcttttaaaa 120  
 aaagaataat gcaagaatac ctgcaggacc actctgtgca ctgcacaatc ccaggaagca 180  
 ccattttacat cagagacatt atatatattga gtatgtatga caatttcata ccagatagaa 240  
 gtatctttttt ccaatttgca cagaggcttt atatgatgta ctagtgtccc tggagactaa 300  
 ctttggtttcc attaaaaact gaccaaaggt cccagccttt gcaaaaagat cattcatatt 360  
 aatagaacta ataaatatga ggattataaaa ggaagaaaca aaaatcatat atatatattgc 420  
 agatgataca ctatgataaa aatggaaactc aaaaacacgt agagtcagtc aaatgattat 480  
 aaggaataag agagttcagc aagttgctgg ataaatatgc aaaatcaatt acaaattata 540  
 cattaccaaa aaacagataa tgtaatttta aagaagacat cattacaaat aagtataagc 600  
 attattataa tacttataag actataaagt gccaaagggg atggggggcac gtgcttgtaa 660  
 tctcaactac ttgggaaagg ctaaggcagg aggatcattt 700

<210> 624  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 624

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atgtaatttt aaagaagaca tcattacaaa taagtataag cattattata atacttataa 120
gactataaag tgccaaaggg tatgggggca cgtgcttgta atctcaacta cttgggaaag 180
gctaaggcag gaggatcatt tgaggccaga agtttgaggc tgcactccag cctaggcaac 240
tgagtaagac cccatctctc tctctctaaa agaaaaaaaa aagaaatgta aagtgccaaa 300
gaataaatct aacaaaacat ggaaaacatt taaaaacttt atgaaagata gtaacaacag 360
caaatgcaga gacctagtat gtccacggat caagacttga cactgtaatt tgcaaactga 420
tttatacatt taatgtgact cctatcaaaa tccaagcat ttttttcatg atcatactat 480
gctgattcta aaatgtacac gggaaaatga gagtccaaga atagccaata caattctaaa 540
gaaggagctg aaaatgggag aacgtggccg ggtgtggtgg ctcacacctg taatcctagc 600
actttgggag gccaaaggtag gcagattgtc tgagctcagg agttcgagac cacaatgcgc 660
aatattgcaa aaccccatct ctagtaaaaa tccaaaaaaaa 700

```

&lt;210&gt; 625

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 625

```

cgggaaaaatg agagtccaag aatagccaat acaattctaa agaaggagct gaaaatggga 60
gaacgtggcc ggggtgtggtg gctcacacct gtaatcctag cactttggga ggccaaggta 120
ggcagattgt ctgagctcag gagttcgaga ccacaatgcg caatattgca aaaccccatc 180
tctagtaaaa atccaaaaaa attagctggg cgtggtggca tacaccttta gtcccagcta 240
cttgggagcg tgaggcatga gaatcgcttg agccggggag gcagaggttg cagttagctg 300
aggttgcacc actgcactcc agcctgggca atagagttag accctgtctc aaaagcaaac 360
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tatcaagcct taataattaa gtgtggtttt gacaaggggt tataacagta gttcccaaca 480
gaggggtgatt ccccaacccc aagggaacat ttggcaattt ggggttgctc gaattggagg 540
ggaaggaggg gatgctactg gcatctactg ggtagaggtc acggatgctg ctaaacatcc 600
tacagtacac acaacagccc tccacagcag aattctccca tccaaaatgt cagtagtggc 660
agggttgaga aatcctaggg gtagacagat agaccggtga 700

```

&lt;210&gt; 626

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 626

```

caagggaaca tttggcaatt tggggttgtc agaattggag gggaaggagg ggatgctact 60
ggcatctact gggtagaggt cacggatgct gctaaacatc ctacagtaca cacaacagcc 120
ctccacagca gaattctccc atccaaaatg tcagtagtgg cagggttgag aaatcctagg 180
ggtagacaga tagaccggtg aaaaactaat taaaaaacag aaaatatgac ctgggagtgg 240
gcttatccag caggaaacag tagggacact catattgagt aacttaaggc agttttattta 300
ataaagggac cattataaaa gaacagagtg tagggaaaac aaagcccttg gcgactggta 360
acaggaactg caacaggaga gggactatct actgaaactc agagatacag agcacacaga 420
gatacagagc actacagcga tacagagcac tacatgcaga cggccaattg gcaagagctg 480
ggaccttaag tcaagggaca caaccagctt gcagcaacct tgcaaggaga gagctaaggg 540
catacatacc ttgcttcacg caccctctac cttttgatca cctgtcaatg ctcccattgt 600
caaacccaat gggaacctgt gggcaaatga gctattaatg tagttcatac tggtcagcct 660
cccaggacac agaggctaaa agggggtgga gaggagatct 700

```

&lt;210&gt; 627

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 627

```

acaaccagct tgcagcaacc ttgcaaggag agagctaagg gcatacatat cttgcttcac 60
gcacctccta cctttttgatc acctgtcaat gctcccatgg tcaaaccctg tgggaacctg 120
tgggcaaata agctattaat gtagttcata ctggtcagcc tcccaggaca cagaggctaa 180
aagggggtgg agagcagatc tggagaggca aataggagct ttccagatgg aatggaagga 240
tttcataaat aaaaccccca aagagcagag caccaaggaa aagactgata cattcaatat 300
tcatacaatt taccataagg agagtgaaaa gacaaaccgc aagctaggac aaatatttgt 360
ttcatatata aatgactaag gattagtttc aagaatgtct aacaaaatcc tcttaatcag 420
taagaaaaag ataaattacc cactagaaaa aaaaaaggta aatgacatga ataagtattt 480
cttagaacag gaaacacaaa tggccaataa acatataaag agatgttcaa ccttattagt 540
agtcaggaaa atccaaaatt aaaccacagt gagataacat ttcacaccca ccagactggc 600
agaaattaaa aagtcagaca ttacaattct tgcccaggat gtaaaagtaa aggaattctt 660
acacattgtc cacaaaagag taaaatggta cttttgaaat 700

```

&lt;210&gt; 628

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 628

```

atggccaata aacatataaa gagatgttca accttattag tagtcaggaa aatccaaaat 60
taaaccacag tgagataaca tttcacaccc accagactgg cagaaattaa aaagtcagac 120
attacaattc ttgcccagga tgtaaagtaa aaggaattct tacacattgt ccacaaaaga 180
gtaaaatggg acttttgaaa tgtagtctct agtaaaaaat tgaacgtgca cgtaccttat 240
gaccccgaa ttcaacctag tgcataattct agggaaattc ttgcccatac acgtcaggag 300
agataaacia ccacaatcat agtagactgt tttcttaaat aaacttattt taggaaaact 360
ttcagggttta cagaaaaatg gggaagatag tacagaaagt tcccacgtac tccatatcca 420
attttcccta ttcttaacat ctttcttttt tttttttttt ttttttttag acggagtgtc 480
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ccagggtcaa gcaattctct tgccctcaacc tagctgggat tacaggcatc cgccaccgtg 600
ccctgttaat ttttgtattt tcatttttta gtagagatgg ggtttcacca tcttggccag 660
gctgggtctg aactcctgat ctcatgatcc accacctcgg 700

```

&lt;210&gt; 629

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 629

```

agtgcggtgg cacaatctca gctcactgca atctctgcct cccagggttca agcaattctc 60
ttgcctcaac ctagctggga ttacaggcat ccgccaccgt gccctgttaa tttttgtatt 120
ttcatTTTTT agtagagatg ggggtttcac atcttgacca ggctgggtctc gaactcctga 180
tctcatgatc caccacctcg gcctcccaaa gttctgggat tacagggtgtg agccacagca 240
cccagtcctt aacatcttac attagtatgc tatacatgtc acattaatga atcaatatgg 300
atgcattatt gttaactaaa gtccatatct tattcagatt tctttagttt tacttacttt 360
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gctcacgcct gtaattccag aactttggga ggccgagggtg ggcagatcac ctgagggtcag 480
gagttcgaga ccagcctggc caacatgggtg aaagcccgtc tctactaaaa atacaaaaaa 540
aaaaaaaaaa ttagctaggc atggtggcac atgcctgtaa tcccagttac tcgggagggt 600
gaggcaggag aatcacttga acacaggaag cagagggttc agtgagccga ggccgcacca 660
ttgcactcca gctggggcaa caagaacaaa actccatata 700

```

&lt;210&gt; 630

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 630

```

ccaacatggg gaaagcccggt ctctactaaa aatacaaaaa aaaaaaaaaa attagctagg 60

```

```

catggtggca catgcctgta atcccagtta ctcgggaggc tgaggcagga gaatcacttg 120
aacacaggaa gcagaggttg cagtgaagccg aggcggcacc attgcactcc agcctgggca 180
acaagaacaa aactccatat cataaaaaaa aaaaaaaaat ctgcaaatg tccatcagta 240
ataaaataga taaataaatt atggcttact catttagaag attatagtaa agtaaataca 300
gtaaataaat aaactacagt tatatgtatc aacatggatg agtctgaaaa cattttgttg 360
accagtaaaa gcaaatatta aataaatata tccaacatga ttccatttat aaagagggca 420
aaaataggaa aaatgaaatc atatatatt agaggatatt tatatatata ataaaacaag 480
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acatggaagc tggtggaggg acaccttcat ggggagaggg aatgttccct tcagttgggt 600
ggtggacaca tgggtttttg ttatgtttta aactatacat agagattgta atttttttgt 660
atgtatgatg ttccataata ataattttta aggcctctgat 700

```

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<210> 631
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 631
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gttatgtttt aaactataca tagagattgt aatttttttg tatgtatgat gtttcataat 180
aataatttta aaggctctga tccctgctct tttctttccc cttgaaagca ggttgtctaa 240
atagtccctc tccccaaca ttctggctta agggaaaagg tgacacttta gagtccagagc 300
aacaggaac cccagccctc tgtgccccaa ccaaagaaat gtgattatgt ctcttatcat 360
cttcttcaag cccaccaca catcatgatg ctccctgttt ctccagaagc gaaaaagggtg 420
ctgacataat gtaatgagta gaatcgaggc agtatacacg gatctacca gagccatgtg 480
tgtcacccga ggggcagggt ggactctcag ctgtggttgg gaacataggc caaatctctg 540
cctttagggt ggaaatgacc ccaaatttga agattcatgg agcaggggtga ctcttgctgt 600
taagaatgag agactcaccg tcatcagccc caagagatgc cttctgcaac agcgaaaagc 660
cacctcttgg cagatccctt tacgtgggta cagctgggact 700

```

```

<210> 632
<211> 700
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 632
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cccaaatttg aagattcatg gagcagggtg actcttgctg ttaagaatga gagactcacc 120
gtcatcagcc ccaagagatg cttctgcaa cagcgaaaag ccacctcttg gcagatccct 180
ttacgtgggt acagctggac tgggcactgg gatccagctg gggcctggga aactgccaca 240
ctggcacccc ctattcctcc acagtcatcc ctacttgctc tgttcatttg gttgtttatt 300
cattcactca gcaataactc acacagctgc aatgtgccag gcactgttct aagtattggt 360
ggcacagcag ggagcaggac atagccctgc tctagcagca tcatacacat ttaggaggggt 420
cagacaacaa acaataaaaa caactataaa ttgtggtaag tgccctcagt gcaagtagta 480
gaagcaaaac aacccagtgt taagatgcta aagtcaggct acctggnttt aagttctgct 540
tctactgcta cctgccattg ggcaagttaa ttaatcttcc taggagtcac ttttccttcc 600
tatagattgg aagtgatcat caaacctact gaataggatt gattgaagat ttattcttcc 660
caaaaatatt tattgagcac cactatgtgc caggcaccat 700

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<210> 633
<211> 700
<212> DNA
<213> Homo sapiens

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<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 633  
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 tcaaacctac tgaataggat tgattgaaga tttattcttt ccaaaaatat ttattgagca 180  
 ccactatgtg ccaggcacca tgccaggcac taaggattaa tagtgaagggt gacagacaag 240  
 gttctgccct ccaggaacat acatgatagc agaggaagag tcaactggaca agcaaaggcc 300  
 atgtcggatg tgataagggc tagggactaa cgtgatccag ggagattcag gaagtgccag 360  
 ggagagaggg ccactttata tgtctgacaa ggtgacattt gagagctaaa tgatgaaaag 420  
 gagccatcta tgtgaaagcc tgggggctgg cgatagttaa acagagggac agcaagtgtg 480  
 aaagtatagt agcaggaatg aagttggtgt gggtgaagaa cagcaggaag acagatggct 540  
 ggagcacatt agcagggagg taggagatga ggctagggag ggaagagagg gctcatgcag 600  
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 gtttaaagca gaggagggtc agatgactta cttttttttt 700

<210> 634  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 634  
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 cagatgactt actttttttt ttgagacagg gtctcactct gtcattccagg ctggattgca 240  
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 cagtctcctg ggtagctggc actataggca tgtgccacca cgccaggcta atttttgtat 360  
 tttttgtaga gatgggattt ctccatgttt cctaggctgg tctcaaactt ctgggctcaa 420  
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 ggcaacttac attttttaaa gatctctagc ttttgtgtgg gcacagatta gggtgtaatg 540  
 ttcgaccaga gaaacaagtt aggatgctat tgctccatgg tgagtgcacat gggtatacag 600  
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<210> 635  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 635  
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 gctggaggag aagacagaat cctacagtgc agggcattgt agtgggcatc tgatctctct 180  
 cttctcccac ctctatgcag ctgcttctct ctccctcagaa tccagacca aattttacct 240  
 tctgctggga aagccttctt tccctatatt ttgtttgcag gtggcgggg cncctggac 300

```

ctgggattcc caggttcttc ctccctaactt gctgcctcgt ggccctagac ccctcttggt 360
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cctatttgct caggtgcaag tggaaagctt ttgccagggt gtttgcaagt tcccttggtgc 480
atgactgtgc atgactagca ctgactctct cctgatacag catgggttaga tctgtgtgtg 540
gctcatcagg acattcaana agtaatgccc ctgttctgca cccacagaa ggcagtcctt 600
tccactgagt cccattcaca cagccaagct gaccatcacc cggatctgcc tgtggcagaa 660
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```

```

<210> 636
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 636
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acagccaagc tgaccatcac cgggatctgc ctgtggcaga agcaacttca aagtgagegc 180
tagtgctcct attcttgaag tcctgtgggc acgctacagt gatagaactt cttcttcttc 240
accccttttc cattctgtct gcagctttgt gccatcttgc cagttcccc tctctcttca 300
cccaattgca gtttatttct aatacacaga gcaatttctg tagccctttt gtaacaattc 360
attgtccacc tatggaccca agatctcagc ttccctacct cctctagtgg ctgatgcagg 420
tatttccaaa aaaaaagtcc tagagcagga tcctggctgg ccacacggct gtccagtgc 480
gctcctgccc acaaggttct aagaggttaa ggcttgacat atcagaaaag gaaaggaagc 540
ctgtgtgaca cagaagcctg ggttgaggga ggctacgctc tgtgtactgt ccccgggcag 600
aggcggtttt ctgggtcacc tgcattgtcc aacaccggcc tctgggtggc ggcagatggt 660
aatcctaaaa cccttctgtc cccacctcag aggtgaagta 700

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<210> 637
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 637
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ctgcatgtcc caacaccggc ctctgggtgg cggcagatgt taatcctaaa acccttctgt 180
ccccacctca gaggtgaagt acctgtgcac tagccttccc cgtctgggtc cccaaggcc 240
cccacactgg gcgcacaggg tacaggagg agccaagcnn tctgtctccag ttctgccttc 300
tgcgcaggag ccctttgact tctgggagtc aacccagct caccacaaca ggagatagg 360
caggtgggag acaccctaag ctgagaaggc ctacaggaga tggagagcac ccatcctcca 420
cctctactcc ttctccagac cactccacac ctgcagctt cttgtctctc accctcgcat 480
ttggcccagt gggcaccaag aacaagnacg ggtgactggc taagctgggg ccaaactcac 540
tgacagaatt ggaattgtgt caaaacacca cttttatgtc ctcaccttc aggcctgcat 600
cagtgtagc tctgagaga aaggggctg tcttactgaa ccctcagatc ccagcacgct 660
gctgtcctat ggaggcatcc atgcatatca gcagcagaat 700

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<210> 638
<211> 700
<212> DNA

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<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 638

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aaaggggcct gtcttactga accctcagat ccagcacgc tgctgtccta tggaggcatc 180
catgcatatc agcagcagaa tgaatggatg gagggaggaa tgaatgtaat gaatgctgct 240
ccttcactgc cacctgcctt ctcaccctgc ccctcgaggg cagaatacta tggcttttct 300
tttcttcttc ttcttcttct tttttttttt tgatgaggtc ttgttctgtt ccagggctgg 360
agtgcagcag tgtgaacaga tgcattggctc acngcatcct ccacctccca gactcaagtg 420
atcttccttc ctcagcctcc caagcagctg ggaacaaaag tgtgtgccac tatacctggc 480
taatttttta gctttttagt aagggtctca ctatgttacc caggctggtc tcaaactcct 540
ggcttcaagc catcctccca ccttggcctt ccaaagtgtt gggattacag gcgagagcca 600
ctgtgcctgg cttgctatgg ctttttagag tttctcacc aattacctcc tctactcaat 660
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<210> 639

<211> 700

<212> DNA

<213> Homo sapiens

<400> 639

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gctttttaga gtttctcacc caattacctc ctctactcaa tttctagctc ccatttttgg 180
ttcctccatg gcctttgtcc cccaaatctg cccttgttgt cagagcactg gactaggagt 240
caggagtacc aggtttgtca tcagttagcc ctttgtgtct catggcccca tctgtaaaact 300
ggaatggggg tttctcttga tctcaggatg taagtgggat ggaaaagtgc ccaatctcac 360
ttaagactgt ggtttcctga ccagagttt cagttctgtc ttttcttttt cagtatcagg 420
agtgttacat gcctgttatc ctaaacacac actcacactc ataaaggatg aaaactgagt 480
cctcccagaa gtattatctg tcagttgggt atctgttgtt atgttacaga tgattccttc 540
actccttaca ccaaccctgg cagttgggta tgtggattac ccatgtgtat tagttcattc 600
tcacactgct ataaagacat acccaagact ggacaattta taaaggaaag aggcttaatt 660
gactcacagt tacacatggc tggggaggcc tcaagaaaca 700

```

<210> 640

<211> 700

<212> DNA

<213> Homo sapiens

<400> 640

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gcagttgggt atgtggatta cccatgtgta ttagttcatt ctcacactgc tataaagaca 120
taccacagac tggacaattt ataaaggaaa gaggttaaat tgactcacag ttacacatgg 180
ctggggaggc ctcaagaaac aatcatggaa gaagccaaga gagaagcaaa ggcacgtctt 240
acatggcagc agaccagaga gaccgcaaact gggcgaaact ggaacagccc cttataaaac 300
catcagatct cgtgagaact cacttactat cacgagaaca gcatggggga aacctccctc 360
tgatccaatc acctccacc aggttccacc ctccacaggt gaggattatg ggaattacaa 420
ttcaagatga gatttgggtg ggggcacaga gccaaaccat atcaccatgt ttcatatgaa 480
gaaagtggga attagagagg ccaaggaact tgcccaaggc cacatgctgg gaatggtagg 540
ctgcggtacc gcaggaagac ataagatgaa atgcatgaag aacattctga aaaaagtga 600
atcttctcca gtgcttggct ttatcgtgag ctgatcttgt gatttctgtc actcaggctg 660
tggatgcaag ttaaaaagca tcagctgtaa ccagtcacag 700

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<210> 641  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 641  
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 cataagatga aatgcatgaa gaacattctg aaaaaagtga aattttctcc agtgcttggc 120  
 tttatcgtga gctgatcttg tgatttctgt cactcaggct gtggatgcaa gttaaaaagc 180  
 atcagctgta accagtcaca ggaggatttc tgagttgggc tggggtaggg gagagagatt 240  
 tctgcttttg gtcccatag tttctgtaac tctggttag tttccttgtc actggatcct 300  
 gcattccttg agggcagcca ttgtatttta tctttcagct ttactaaagt atatgaaaag 360  
 ccgggcatgc taaagtgtac aattcaataa gtttagaatg tgtattcacc tgtgaaacta 420  
 tcagaacaat caagatactg aacacattaa tcacctcaa aatgtcctca tgccttcag 480  
 caatcccttc ttcccaggca atcactgacc tcgtttccgt cactatagat tagttggcat 540  
 tttctagaat ttataaaaa tggaatcata gtctagtttc tttctttctt tcttttcttt 600  
 tcttttcttt tttttttttt aagagtcttg ttctgttgcc caggctggtg tgcagtggcg 660  
 caatgttggc tcaactgcaac ctctgtctcc cgggttcaag 700

<210> 642  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<400> 642  
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 atggaatcat agtctagttt ctttctttct ttttctttct ttttctttct ttttctttct 120  
 taagagtctt gttctgttgc ccaggctggg gtgcagtggc gcaatggtg ctcactgcaa 180  
 cctctgtctc ccgggttcaa gcaattgtcc tgcctcagcc tcccaggtat ctaggattac 240  
 aggcgcgtgc caccatgcct ggctaatttt tgtattttta gtagagacag ggttttgcc 300  
 tgttgtctag actggtctca aacctctgac ctcagggtgt tagcctgcct ccggcctccc 360  
 aaagtgtctg gattacaggc gtgagccacc gtgcccggcc agcctgcctt cattgacttg 420  
 gaataattat tttgagacgt atccatgt 448

<210> 643  
 <211> 581  
 <212> DNA  
 <213> Homo sapiens

<400> 643  
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 gagaagtgat gcttttcaga aaaaaagagc aaatatatgt ggacaggaag gaacttcggt 120  
 gtccatgtaa cagatataaa attgactgta aaaggcatgt gctcgcaatg tcaaagtctc 180  
 tatgagtaca gaaggacaca gactgtatta cctgtgtcta acttggtctg tttctcttgt 240  
 ttctcctggg tgacttgttg gacagttcga tctaagtcta ttcctttag cttagctgct 300  
 tgttgtgcaa tttttctttc aacatcttta agttccatct taagaatata acaaaatgat 360  
 ttcttttaat aaacttactg cattattcaa aatctttaaa aattaattgc tcttatcatt 420  
 tattttttta atctaaactt ataaaccatt tctagatata attttagcaa agtttaatat 480  
 gataaaagtg aaattaatta tcagcaattc aaatgatgta aacaaaagga agctgactaa 540  
 agatgaaaaa caaacagaac tgtcttaatt tttaaattta t 581

<210> 644  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<400> 644  
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 agcttatggt gagaaatata gtttatttta aattttttat ttttaattcc atttttccat 120

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gaacttttctg aagtctcctt gtatgtaaga actaaagttt atcaatataa cataccattt 180
catgacaata aattatttta aaacaattaa acaggtaagc atgaaataag agattttctat 240
tacatctcca aatggttgca cttacttcaa tttggcaagt ctgtccctgg tctgattaat 300
ttcttttgat ttactatgta gccagtcctt aagctgtttt ttgttgggaa aatatcccaa 360
cagtgaaggtt aattcatcac tgtgcctaga ttttattttt ctgatttggt catctttgtc 420
agcctatagg taaaaaaaaa atctttttaa aataaagtct atatctccac attatatcaa 480
gaacaaaaat aaattctaga ctgactaaag ttctaagctt aaaactataa aaatatgaaa 540
ataaaatata aaattttcta aagttcttaa agtcttcaag tggggatggg ctttctaagc 600
cttaagagtg gagtaccaag tcgaacaata ta 632

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&lt;210&gt; 645

&lt;211&gt; 711

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 645

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aaggtctgaa gctttaaggt ctgagtacag tatcttttaa aagctcccta tgtgattcta 60
attttcaggc tatcggttg tagaaccaa gagtcagaag atcaagatat tcagatgaat 120
tcattttaca tgagaataag acaaagttga tgtttttatt aaaatgctat aatcttagga 180
tcaaaaatag acaaaatact tctaaaagta ttatatctta aaattattag attattcaaa 240
caatatctta cagcttttat gagtcctgg tccagttcaa gaatcctgtc tgaagatcct 300
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tctgatttta actcaattat tcttcccagt ccagttttct tatctcttat ctcatctatc 420
tgtttttgtt tcagagtctc tttttctgca aagtcattct aaatgcatat gtaaagaatg 480
agcattaata atttactaaa caatttaagt tttttaattg caaaaggaat atatgtacac 540
tgaagaaaat acaaaaaagt acagtcgtgt gttgctcagc agggatatat tccaagaaat 600
gcatcattag gcaattttat cattgtgtga acatcagaat gtatttacat aagcctacat 660
ggtatagttt aatacacaca tagactatat ggtatagcct attggttatg g 711

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&lt;210&gt; 646

&lt;211&gt; 631

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 646

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aaaaaaaccc agaatacaaa attaagagta tgacatcagc tatataaaac agtattttaa 60
ggaggaggaa aacacatgaa aatgtcaaca acggttacta ctgggtgcta aaactgtgtg 120
gggctgactt tcattttctt ttatagtttt ccagtgccaa gttttctata ataagctatt 180
atcattttta taattataaa aatacaaaat tgtactagca ccattacctt gggatcgtgt 240
acaaatgtat ttccttttgt tccaggaggg aaatctccag taaaaatata ttttagacat 300
tcaatgatgg tctaaagaaa tagaaaatta cattatttct ttataagaga accacagaag 360
tttaccataa aatatgaatt cattacaaaa atattattta tcatggaaac tataaaagat 420
aaaatctgac attataaaac ctgtaataaa aatatgatta agtggttaat ctgtaagttc 480
acagaaatgc tatataacta agaagttatc ctaatatgaa gaattgttac ttgggaaaaa 540
aataattatt ttcaactgaa acccttttaa ctaatttaag ttaataataa gaatggctaa 600
cagttaagta ctgtattgta ctaagcactc t 631

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&lt;210&gt; 647

&lt;211&gt; 1249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 647

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ggcgcttccc aaagcttgat cctgggactc ctggaatggg ggtagtggtg ggggtggattg 60
gagaccagg aagcgggggc agttcatgtc aaaactattt tccttttcat tctcattctc 120
tctctaacgt tcgtgtagta atttccagtg atcacataac atgtgatgac gccattgcag 180
tggcggttaa tggaatgtgc gcatgtgtat tcttgcgctt agaaatacca attttaattt 240
ctaattgagt aaatgttgat aattataact cacgtacacg ctctttgagg tccccgtaa 300
tttttttagt taaaggcgtc ttttaagacca aaagtctggg aactaaaact aaaagcagtc 360

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tgcaaatatg	aagaatgtag	aggtaatcca	ttccgatcag	tgctcccagc	aatagatatc	420
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tggaacaaa	cttaatggag	ggatattaca	tttaagggcc	tagagaaaca	tacataaaaa	540
ttactgaaac	aatagtggag	gacattttaa	tgaaacacaa	at ttggaatt	actgtagtgg	600
tataatttgc	ctctgcctgc	cttggaaaaa	tgtaggaaat	gtttctccag	tcatacaatc	660
ccaagcaaat	aattttacaga	acctaataca	taaattgtatg	tgccaaagga	tgcaagtggg	720
gaagaccagt	gagaaatagt	ctcttgctgt	accaggttaa	aaaaaccgga	aagtgtcagt	780
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tacttggaac	agcaaattgta	ataaaacaat	gggaaaagac	gaaagacctt	tttttatatt	900
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agcgagactc	cgtctcaaaa	agaatttact	atcttaacca	agtgtacat		1249

&lt;210&gt; 648

&lt;211&gt; 696

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 648

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ctgccgcggc	ctctcccggg	tccgacgggt	ctcccgcagc	ttgtccacac	tctggttggg	120
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tgtcgctgcc	cctgcgctcg	tcccagccca	cccgcgccgt	gcggagctcg	ccatggcggc	660
caccgacctg	gagcgcttct	cgggtgagggc	cccgcgt			696

&lt;210&gt; 649

&lt;211&gt; 1121

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 649

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cccgcggggc	ggggcagggg	cggtcccgcg	gcttctcccc	ccgccgcgc	caaggggagt	120
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cagaaggttg	atgtccctgg	tgggtccctgc	aggggtctca	ctgggcctga	gcctgccgac	1020
agccaactta	ctaaaggctt	tcataattca	ctcgcgggag	ggaggccttt	gggggggtgt	1080

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1121

<210> 650  
<211> 632  
<212> DNA  
<213> Homo sapiens

<400> 650  
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atgaacgtta aatagcttga tttagccagt ccacgatgta tacttatatc aaaacatcat 180  
gctgtatacc ataaagatat acaatttttg tcaattaaaa ataaaatcaa gttaccttca 240  
atggatcaag ttcatttctca taggatttga caatttcctt tgaagatggt aactgggctt 300  
ccttacttgt aatctgatca cgaatctcac aagctttttc cttatatgtc ttcagatatt 360  
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aaattatggt atatattcat acagtgggat attatgctgt cactaagatt acagttacaa 540  
tgagttttta ataacttgta aaatgcctat gacataatgg taagtgaana aaattacatt 600  
tatactgtca atcaggtaaa taaatatacg ca 632

<210> 651  
<211> 510  
<212> DNA  
<213> Homo sapiens

<400> 651  
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acaaaccttg ttgctgaaaa aatctcatca aacttttgct tcaaagcctt tccttcactt 180  
aaaggccaat tagaatcttc ttgatgacag aaaatgacat tatttagcac agccttgga 240  
acccaagag aactgatcat ttctcggtca atttctgcac acttagagct cagactgacc 300  
ttttcaccat gcctacagaa aatgaaaatc aagaatatat gtaaaataac cttcagtgt 360  
tctattctat tgcttaatac attcatactg tacttcttta aaagaataaa aaaaaaggcc 420  
cttcacctat cccgtagaaa atggcttcat catgctaaaa agtgtaactc ttaaactatt 480  
taacggttca cagatgaaaa gatatgtaaa 510

<210> 652  
<211> 845  
<212> DNA  
<213> Homo sapiens

<400> 652  
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agatattaat actcagtttt tcaaaccaca tgcaagggaag taaattcaga ggtaacattt 180  
aactatgatt taaaaaaata ccaaaaccat aaattttcaa ggcagtaatt atctccttct 240  
caacagtgtt ttgagaagaa gcatgcattt gcaactggga gggaggcaca gactcgagtc 300  
tcggctgtac tgctgaaccc tgaaggcctg acagaggctg cctggaatgg gatgaagagc 360  
agcaaatcag aaacaggcaa tctgtccaat tttcagttaa acaagtttca tgattttaga 420  
acctctcaac atccaaaatc ctagacacaa tgttcctttg aaagaatata ttttcttatt 480  
gactaagttg atatgagaaa taagtttctt attatacact ttctgaggac ctacatttct 540  
atggcattta aatcttggat atttttaatg aacattgaat cccaggagac taacactgca 600  
tttcacaatc tctgagcact gatcgatgtt ctttttaatc ctgtagaatt tctccacata 660  
ttcagaacgt cctaaaagct ccacaaaatc ttcacatga gtgattacca gaagctggaa 720  
gttacgctgc tgtgagcgac tttttattat ctgcaacaat atattcagaa catattatta 780  
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aactc 845

<210> 653

<211> 789  
 <212> DNA  
 <213> Homo sapiens

<400> 653  
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 tcccgcacca ttgggtccaa ccaaaattgt aagggggctg aagaaagtga taatttgctt 180  
 atctttgtcc tctattccaa aactccgcac gcccagaatg ctcattcttt cgatccggga 240  
 catgtttgca aacgtttcta atctcaccag ggacctggag tccacaaagg cttaactgag 300  
 gccgaagcaa ggcgtgcacg ggacgtgaga cccgcgaatc tcagggtcag gaggatccgg 360  
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 aggcgggggac cagcctgggg ctgcccgcgc gggacgcaaa gccgtagcca caatgcgacc 540  
 ccgcaaccgc gcactcacag ctctctgcct cggccgcctt gcggatcacg tgggcctcta 600  
 ggcccgcacg cgtccacgcc gctctcttg ggacgcgcg gaaatcagag tcccgcgggtg 660  
 cgtgcgcagc tccgacttcc ggggtgcggta cggcgaagca gagggttagg tgctgggtgc 720  
 tgttgccagg ggcagcggac ttccggatct ttgctgggga tgggcagcct ggagaggcac 780  
 tgacttttg 789

<210> 654  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 654  
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 tgttctagta atgactcctt ccagagtttt aaattctgtc tttttgcttt tctgagtaca 180  
 caccatagat ctttgcacag ctataagttc tccattgaca tcacgaaatt gcagacgaat 240  
 ctgggctctc acatctgttt cttgagcaac ctttgaagga aaacacagaa aaaacttatg 300  
 ttactttaat aagcaccagt gttggttctg agaaaaaggc ataagcaatc ttacccaaaa 360  
 tgagggaaca aaaagaaaaa catccaaaat gagtgatatt tttacatgct atccaaaaata 420  
 tagaagaata ctgtttaatt aatttacaaa aatgatatac tatcta 466

<210> 655  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<400> 655  
 agattttatc ctaacactaa tagaaaaata tgccaaaatg gagtccaacc aaaaattaaa 60  
 acaattcaag tagagaatat gatgcaaaaca aaataacaaa tactgtattt caaaatactt 120  
 gccatcagtt ggttggcagt ttttgcttcc ccttcttgtc tctctctcac aagtttgtga 180  
 aaatttttaa tctgtctttc actgaatggc ccacgctcaa agccatccaa ttctagctgt 240  
 gttgccaaag actgaattaa tgaatctcta gctcggatat gttcttgatg gcgatctgct 300  
 tgcagctgta gacgacctt taaaaaaaaa atctcataat ttttttttca actggtgctt 360  
 aaaaagttga gatagctgca gattcacgag ttataaaaaa taatgcagtg tgtctcttgc 420  
 acattttgcc cagtttctcc caatgataac attttgcaaa actgcagtaa aata 474

<210> 656  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

<400> 656  
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 tacagaaaat gtataacatc atagtaggaa aaacgaccaa ataaacattt tgcctaccc 120  
 tgttcaacaa gcagttctga tttttcctga ttgagaagcc tagattcttt atttagtttt 180

```

tccagttcac gatgacagtc taccaatttc ctttctttct cccttactgt tctctggtga 240
ttgtgatata agtcatttag ttgctcatca gtcccttgaa aaacctgtgt aacacccaaa 300
taaaaagctt taatgtacaa acataagaaa atatgatcac tttgaggtat caaatataaa 360
ccaaacctta ttcaatatcc ttcattttta catatacata gaagtaacaa gatctgtatt 420
tgtttttttc caatgtggat ggcaaaatgg attcaaataa agttcatt 468

```

<210> 657  
 <211> 468  
 <212> DNA  
 <213> Homo sapiens

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<400> 657
atacatagaa gtaacaagat ctgtatttgt ttttttccaa tgtggatggc aaaatggatt 60
caaataaagt tcattacaat aatcccaaaa ttttgaagca gaacaaaatt ctaccaccac 120
aaaccttttc cattttctct tccagttcac tattatcttt ctccatttgc ttctttcggc 180
tatccaaggc tttaatttca ttgtcaagtt tcattatttt agagagatta tgttcaattt 240
cttttagacg attctgaaaa taaagaaaca ttacataaat aaaactcact atagcttaca 300
tggtgatag atgaagacaa gtaagatact ccagggtccag gcatttagta aaagtgatct 360
catttaaggc taacaataac actgtagagc aggcctagag aaactgaagt tcagagacat 420
taagtaactt ggcccaagtc ctcacagcta gtagagagaa gcaggaat 468

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<210> 658  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

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<400> 658
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tgagtgaag gtaggctatt ttaagtacca gacagtataa ttagaacaaa aagaaaaatc 120
atactttgtc tttggtcagc atctccattt gggtagctgt tgttgatga tggtttaact 180
gtccatctc ctgggtcaagt ttacgcaggg tctgtcttaa gtctgctttt tcattttgga 240
gacttattac ttccattttt aagggtttcta cattgctggt tttctcagcc ttgcttaact 300
cacgttccta gtcaataatt catacaaatg caaagggtgt atatatattt tgcaagaatt 360
aaaataatga caaagtgtat tagaaattaa ctact 395

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<210> 659  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

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<400> 659
tgaaatccaa gccattaggc tccataacca gggtttttaa tccccatcc ttaacagtta 60
cctgtgaatg aaaattcaaa ggtgtcaaa gttatcctgata atataaagta gacaacttac 120
ctcgtgtttt tgatgatttt tcaatttcct ctttaagcct gtctaaatca ctttcaaaat 180
cctggctacc acaaacatca aacagcttgt cttcgtaact ggacaactgc tcttcctttc 240
tttttagttc attatttata tgatttttat tctgtcaga tgaagctagt tcttgcttaa 300
aataagagca aatatggatt ttcattttta aataggagaa attagtttga aaatttgagt 360
aggcaaaaac aagacaaatt ctgccaacaa atcat 395

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<210> 660  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

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<400> 660
ggggaattct aaacacaacc tgtacctgaa tactagctac tatttttaac tctcacactt 60
caaattcaag ccaccatgga acaagtttta ttctgcctta aactacaata aacttacctg 120
gaacctctcc ataattgtaa catctgtcag gcatactttg gcactttctt cttcaggcat 180
tattgtaccc aagagtgttt cttgttcttc tatgtcgttc tttaggcgct gtatgtctct 240

```

```

attgacattc tgcagtttgt ttcttaattc tgggtatttcc ttctccttca aatcaattat 300
gctttgccta aatagaaaaac acaattaaaa ataaagtatc tgatgtttct cacagttaga 360
ctgaggttat gtatttttag gaagaatacc acagaagtga cattgtgttc ttttcagggt 420
atcatatcag tggatatgga atcatgatat caatatgtct ta 462

```

```

<210> 661
<211> 467
<212> DNA
<213> Homo sapiens

```

```

<400> 661
cttatcatag aagtgatata agacagggca taccagctca gagtccttac tgagtaacta 60
ccatctgccc aggcattgaga tgggtacctt ttacaatgtg ctgctacatg tacagtgaag 120
gtaaatccca ttcttacctc atgggcacaa gtcccagcat ttcatcacgc cgcttttctt 180
tttttttttag ctctgattct gttgacttga gtttatctgg agcaagtcgc agtttagact 240
gcaaactcact gatgacttct tgtaactcag cctctgtctg aaaaactctc tgacaaacgg 300
ggcaacatga ctgggttttcg tctgttagct gagtaatgaa ctgggagtaa actgctgtgg 360
ctccagccag catggctatt ttaagaaaat aaattatata accaatgaga aaaaaacata 420
aaatacagta ttctgaatac ggttgtatct ttttctataa atatatg 467

```

```

<210> 662
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<400> 662
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aacttctatt gtagatcaag cagcaaaaata atttacctca aatccttggt ctaacaagaa 120
tttctaattgt caaaattata ccatgaatct gaaaatacta tttatcttat gctatttaaat 180
ttcatgtgaa ataagtgtcc gacgtggtgc tatgaacata agtttaatac agatatttga 240
taagtaataa tataaatgaa atcttacttt atcctgtgct attttggtgc ttgtattttt 300
tttggttgatt aattcttctt tttcttgctg gaacttttcc aatgttggtt ccaaagggct 360
tacctgctct ttagcatcct aaaaatataa aaaagataaa gtattatata atattccatt 420
atcttacttt aggggtcaga cttcacagtc ttaataaaaag cactttctat gtgccaggct 480
ctaaaagtca actcatttgc tcctttcaat gaccctatga ggacagtacc atcattttca 540
gtcctata 548

```

```

<210> 663
<211> 626
<212> DNA
<213> Homo sapiens

```

```

<400> 663
gtaggcggat caccttagtt caggagtttg aaaccagctt gtccaatggc gaaaaccgct 60
ctctactaaa agaacaaaaa ttagccaggc atgggtggtgc acgcctgtaa tcccagctac 120
tccagaggct gaggcaagag aatcacttga acccaggaga tggaggttgc agtgagccga 180
gatcgtgcta ctgcactcca gcctgggtga cagaacgaga ctgtctcaaa aaataaaaaat 240
aaaaataaat aattaaaata attttacaaa aaacatgtat ggatattctt acctttatct 300
ctctgtacaa agactgaact tcagtggata attccacagt ctgctcctcc agttgctgac 360
gacgttgcaa attagtggat atctgaagtt tctcagattt tagctcattt gttgtacttt 420
ttagatggtg aatctgttcc tgctggtcct gtataagctt acgattcaat tcaatcttac 480
tagaaactac acaaaaaacat attatcacag taattaatgt aagggcatag aaaatactat 540
ttgtatcatt cttccattt ttatcggtct atggaatcca caaatgctat ttctgtgggc 600
cccaccact gcaacaaaaa tacaat 626

```

```

<210> 664
<211> 388
<212> DNA
<213> Homo sapiens

```

&lt;400&gt; 664

```

gcaaagagct tcccaccatt caggtgtagc cttgggtgct tccactgcac tgatgtttgt 60
ttctctcttt cagttacttg ggtgagttgg ctccccaggc ttttgagata cctgcctttt 120
gtccagcact gcatacgtcct cgcataatcca aggcctgtgtc tcccttcagc atcaccactc 180
ggtagttata attccgcctt ttatcagaag ctgatacatt ttcatacggca tcagaccgta 240
tttctatgta ttcaatatct gacacaggaa gaagaatatt ttagaggaac ctatgctctg 300
tagccttttg tcaattacaa acatatcaag taagcctagg aacaacagat gaggctgaca 360
ttaccagagg aaaacaatgg ctggtgtg 388

```

&lt;210&gt; 665

&lt;211&gt; 551

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 665

```

tgccaagata agaattctta gaaaatctca aagacatgct tagaaagggg tccagggagg 60
taatgctggc atgatgagag gtcataaggg gaagagctgc ggagagggct ttggaaagag 120
catttgtgat acaccatggg actcaccttg tccacgatag gtacttcgcc acaggtcacg 180
tataatttta ttgatttctt ccattttcat actgtgaaat ttcattattg ctctggaaaa 240
ggaagtcatt ggtacttcat atatataaaa aataattatg tgtaatagta atattaaaaat 300
acataaaaata tataatatat aaaaaataga aatataaata acttcctcaa tattttcaat 360
ggtaaaagta gaatatagta agagctacaa aaataaacag cagcaaaaact ttgctgcttg 420
gctaatactg aaaattggca ggcttatttc tagtgctcca ggggtaccct tctccatatt 480
cactctctag gatacaacaa atactccttt acgtaaatac ttaaatactg tgaaaacttc 540
aggaaacata a 551

```

&lt;210&gt; 666

&lt;211&gt; 428

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 666

```

gatgactaaa gtatgttagt taatattaac tgcaataaga aaatccccag tctaatactt 60
actggtcaag agtcttataa taaatatcca gatccttggt cacaagttct gttgtcctca 120
taacaatcat catttctcta tacttttctt cagcatcccg aaattgtggg tctcgaagtt 180
tttctttaaa atgaataatt tcttcttcat aacctttctg tcgccctaatt gccaaattat 240
gatttctttt tatattgtct atgttctctt ccaacttctg atgttcactg taaaaaagaa 300
aaatgacaaa tgaggaccat ttttttagctt ttaacaacct gaagtggaaa agtcatagat 360
ttcttttagat aggttaagta tcattctcct tagcaatcag tatattataa cagagtctct 420
ccttgctt 428

```

&lt;210&gt; 667

&lt;211&gt; 395

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 667

```

acactgttca ccttctagta actctcaaag gataccaggc tgaggctaaa attcttttaa 60
aacagggtatt taatattctt cacattccag taataaagac gtttatttaa actgaagatt 120
attttaaaaag catacctttt catttgcaaa acctgcattt gaccatttct cttcaaatgt 180
tgttttcttt cttcttcaac ttcttttagt tcctcatttc tttttcttaa agtaaggtta 240
tcttgtagcc acctttcttg tatctaaagg taaacattaa attagttaac aaaaataacc 300
aagttactaa catgaaatct gtaacaggca actggtgaca gcaagtgcc tttctgtctt 360
acttagaatc atgtgaaatt caacagaggg agaatt 395

```

&lt;210&gt; 668

&lt;211&gt; 604

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



&lt;400&gt; 668

```

gtgtgagcca ccacgcttgg cctcttttcc ttttgcattt ctattcaatg gatcttctat 60
tgaaaataaa actatagaaa agaattgtcat aggtgtaagt gatatacataa gcaaaacaga 120
cctaccttct gtgtatcaat atcttgtctc atgagttctca tatcttcatt tatcttttct 180
ttgtgtttct cgcattcact tagttgagct attactttat taagttcagt ttctttttgc 240
tacaaaaaag aaaattcttt aagcacatga ataaaaatac aatcaaataa ataattttta 300
gttttaaat accttcttat agtcgtcttt cccatcttga atataattct caatgtcttt 360
catatagcca tgaatatttt taaccttctc tttaatatca ttcagctgta gaaaaatatt 420
cattaaattt aactgggttg tacttaaggg cacataacag gagagcacag taaaacactg 480
gctgggaagt tatgaacatt gggttccagt ttccaccact actgaatttt atgatcgag 540
acaagtcctt ttctcaccta taggaattga ttaattagtc tcattttctta acttctattg 600
taga 604

```

&lt;210&gt; 669

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 669

```

tatcacaacc tgtcccaaaa tgtgagatac ttactcaacc agagcatgtg caagagatac 60
ttactcaacc agagcatgtg caagagattc aatgttttct cgggtcaagat ttgtgtgtgg 120
ctcatccaag gcaatgatgc cacagttgag gcagaacggt tcagccaggg ccaggcgaat 180
gatgagtgtg gctaatacct ggaaaaaagc ccctatgtga gaagcccagc acagaccttc 240
tcatctcatg gcaggcaagc agtcctgaca tgatcttttc agcagggaaa agtgggaaac 300
gtcacagggt cactgttagg taaagcactg ccctctggga gagcccagca ctgggaccag 360
attcttatgt cctcca 376

```

&lt;210&gt; 670

&lt;211&gt; 657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 670

```

agataacatt aagaaaatat tatttgcaaa actgtgagtt tgctaaagct aggagatggt 60
gaattttatc aaatatagct gctagaattt tttcagaatt tttttcacct tcggttttat 120
tatagtgtat gatattatcaa cagatttttc attttctgaa atcttgcatt cttgggataa 180
aaatatcttg gttattgtgg atgtttaata tatgactaga attgatttgc tcttaattct 240
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aggcaaacat gctcattata gctacagatg gcacaaaacc atgccatgtg actgaatcaa 540
gacccggtat ggctcctggct gactctgaat gacaaaactc taaaagcat aattcaaaaag 600
cgtgtgactt ggttgcattc tgtgtggaat ggaaggattc aagatgtcag ctggcaa 657

```

&lt;210&gt; 671

&lt;211&gt; 553

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 671

```

acaaagcata attcaaaagc gtgtgacttg gttgcattct gtgtggaatg gaaggattca 60
agatgtcagc tggcaattcc aggaaaaact gtgattagtc ttttcttaga agtggcatct 120
gaagagcaaa tggagaggcc tgttcttcca ggtctgggtg gaccctacag ggagaggcc 180
ttgactctgt gagtgagcct ggcttgctt ccacatggca atgcccactt agagagggaat 240
caggattgat ggtgaagcca gtatgctaca caggatagac gcagaggagt gttacaggct 300
tcttcacgat gggcagatca ggcctcaagt ggctcagagc ttccaaagggt ggggtgtgcac 360
agtggagaat ttctctctct tagagagagc tctgagctct gatgaccatc tgggaaggat 420
atgtaggaga agaagggtgt ggggtactgac ttagatgatt acttaagggt cctgtcaaac 480

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tttgagaccc cattcaacta cttcaaattt tagttgggga aaccaagtcc cagagagaga 540  
ggtcactgga ttt 553

<210> 672  
<211> 695  
<212> DNA  
<213> Homo sapiens

<400> 672  
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cttaaaactt gccactgttt agtaagtttag ccccataga atgtgaccct gtctgcagag 120  
tctcattttac cccctctttt ctcattgtca tttgttggct ttattagggc tgtcttacag 180  
gatcatgttg gcatttacta tcatgtcttt atcataaacc atgtttgttt gaggtagaag 240  
aatcaccata taattcgttg cccaaattgg gactattgag agagaaaggg gatgctatta 300  
attacaccag atcaaaaggc ataaaccaga cctgtcccag gccgatgttg aaatatgttc 360  
tttctagttg tgggtaccct gatctaggtg gtttgtaatt gtgcattact gactgcatat 420  
gtttgtgtat gtgtaaatgt gggctccctg ttaagtgggg ctcattggata cgaggcctga 480  
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aattcattta ctctgcatt cattgactgt ttttgttctt ttccattcac tttgtactta 600  
tttttttcat taaattttgc atttattttg agtttttgtg gtgtcttttt tgggcagtag 660  
cttttctgat ttaacgtttc ctgagcccat taatc 695

<210> 673  
<211> 628  
<212> DNA  
<213> Homo sapiens

<400> 673  
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gagggtgctac ctgtagacag ggaccaactc catgtgtgtg tgttaagtgt ttgactccaa 120  
ttaagactcc caagcaaact ctgcatattc caaatgtaaa gactactcag tgggaaaaag 180  
gttggttacct caaagtcatt gcttctttcc tggctgggtc acagggtgaa gagatgaagg 240  
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tgcactctaa aggggaacat ttttaaggaa tacttagcagc tttgactctt ctatgctcct 360  
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<210> 674  
<211> 552  
<212> DNA  
<213> Homo sapiens

<400> 674  
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gaccatttcc ccccttctgt ctggcttgca ttattgattt ccaggacca gtccctggctt 180  
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gtccaccgag gcacggccag gaagaggcag cctttacctg tgaggggctc catgctccag 300  
cagcagagca ggttctagt acaattcaac tttttatgct atgaccagg gtggatctaa 360  
attttatggg gctgaaagct tgaattattt agaaagactt ctttaagaaa aacaatgtta 420  
atataaaatt aggtacaggg tcttggaagg ggccctgaag attagcttc cttagcgtca 480  
caataagtcc gtatctgggt gcaattgaaa actgatgctt cagtgagggt atctaaaaag 540  
gtaaactggc at 552

<210> 675  
<211> 534

<212> DNA  
 <213> Homo sapiens

<400> 675  
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 agtgtatgca gttgggtcag agcatgacct ttaagatagc ctctctcagc taacatattt 180  
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 ctgcggtcg caccacaggc atactgaaag gccatactcg tggctggctg cctgcggggc 360  
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 tccacaggtc cctccagcaa gcctcactgc acctctcccc tgctgtttgt gtttggaatt 480  
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<210> 676  
 <211> 524  
 <212> DNA  
 <213> Homo sapiens

<400> 676  
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 ggacttttaga ctttcatgtg ttaagttgct tgagttacac cttgtgaccc ttctcccata 180  
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 acacgtaaaa gccatgaatg ctggaatcca aaactgacga ggtttatttt tttcagagcc 360  
 agtggctggg cttccattta cagtgtcact attccctgac ggagctgtta tgtgccgctc 420  
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<210> 677  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<400> 677  
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 aataacttta aaacacttct aaatatattt tttggcacca gcgtcaagac aaataatatc 180  
 ctctcccat attttcataa gtaacacaga ttccctgatt tttaaaaact aaaaatacag 240  
 ctaaaccctt cttatgtata aagtatgcct atcatataca gggagagggt ggtaataaac 300  
 ttctgtaat gacagtgtt ggcatttctt tatggatgga attggaacat gaacaagacc 360  
 atgtccagcg tttttactgt gaatgtaaat ggaacagcag cccaaagctg ttgtctgtgc 420  
 cccagagggt ctacctgtag acagggacca actccatgtg tgtgtgttaa gtgtttgact 480  
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<210> 678  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<400> 678  
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 gagttcctaa gtgagctgca gaggaaggag gaagagatga ggcagatgtt tgtcaacaaa 180  
 gtgaaggaga cagagctgga gctgaaggag aaggaaaggg aggtatgtgc caggctgggg 240  
 gctgggatgg ggaagctgag ggaggggaagg cctggctgag ggtagagggt ggggtgcctt 300  
 cctggcccag gctcaag 317

<210> 679  
 <211> 472  
 <212> DNA  
 <213> Homo sapiens

<400> 679  
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 gccagctcca tgagaagttt gagcacctga agcgggtcca ccaggaggag aagcgcaagg 180  
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 acaaggacaa gaagaagtag gtggcaggct gcgcctgcgc tggctcctct tgctcctgtg 360  
 ggctccttgc ttcgttcttg tccctcacct cccttctcgc tctcctgctc gccctctctt 420  
 acccctttcc tgtttggttt tccctcatct tcagtggctc tccccccagc tt 472

<210> 680  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 680  
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 agttggagga gatgggcttt caggacagcg atggtgacag ccagcccttc aggtgacagc 300  
 ctgagccaga gtgagcctgt cttcacagct gtggccagac acaccacctt ggcattctgtt 360  
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<210> 681  
 <211> 1218  
 <212> DNA  
 <213> Homo sapiens

<400> 681  
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 ttttaatacag catgggaaac agcaacatag agagaggagc aaagtgaata cattgtcagg 180  
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 gaccaacctg ggatgaggcc agtgggggggt agggggcaaa ccttgccaca tcccagaaa 480  
 gagcagagag aaaggcagag ggaagagaaa gaaacggggt ttcagaggat ttgggagctg 540  
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 taagtgttaa ttttctgaac gttttgagca gtgacattag cggagagaaac gtgcacgcac 660  
 tgggagtggc catcctcttt gcacaatggg ggaaccatta agacgttgct ccaagccctt 720  
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 cgccgtgccc cacttcccc ttacgggaaa cggcttccag cgcgcgagc caggagactc 1140  
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 gagccccccg acactgcc 1218

<210> 682  
 <211> 422

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 682

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gtgtgtctga gatttgttga gaattcagac atcgggtggg gctgcttcac tgttttaact 120
cagatttagc gccacccccg cagcttgacc tttcttcccc agtgggctca tgtcttgctt 180
tatttctctc ttggcagaat gcagagccag agccccggag cctctccctg ggcggccatg 240
tggttttcga cagcctcccc gaccagctgg tcagcaagtc ggtcactcag ggcttcagct 300
tcaacatcct ctgtgtgggt gagtgtcagg gcctggcctc agacagaggg tgggtgagaa 360
cctcctggga gagggggtgc ttctggcccc ctgttgagct gcaagggggc ttcccaggca 420
ga

```

422

&lt;210&gt; 683

&lt;211&gt; 508

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 683

```

agttcctggg gaatgggggt gatgagggat ggggtgggag gcctgcccc tttctttatc 60
cagggggccat ggatgcctga gccctgcctg gcctagccac cagtcaagga cagcccattt 120
ccagcctatg acacccactt cttccccctc tgctctcact gccagggga gaccggcatt 180
ggcaaatcca cactgatgaa cacactcttc aacacgacct tcgagactga ggaagccagt 240
caccatgagg catgcgtgag cctgcggccc cagacctatg acctccagga gagcaacgtg 300
cagctcaagc tgaccattgt ggatgccgtg ggctttgggg atcagatcaa taaggatgag 360
aggcaagagg cgggaagggc ggccccaccc agcctcctcc caccacacct acattggccc 420
ctataacagt agcccagccc tcacactgca gggggccagg gagggcctct tggggaatat 480
ctgaggctct gtggtcacca acagacca

```

508

&lt;210&gt; 684

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 684

```

atctcaggca gaagctgttc ccagaaagaa aaggccaggg ggcagcctgg cttggccccg 60
agccctgagc cccccaagcc ccaagcccct gatctcagct ggcagcctcc tgggtgatgg 120
agctgtctgt agttacaggc ccatagttga ctacatcgat gcgcagtttg aaaattatct 180
gcaggaggag ctgaagatcc gccgctcgct ctctgactac catgacacaa ggatccacgt 240
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gaagaaacta gacagcaagg tatccctgtc cccacctgct gtcacaggct ccatagtctt 360
ctgctgcgat gcgatgtggt ggctgcctca tgctgaaca ccatggctct cagggaacctg 420
gtcgggggct tgtgggtggc cccccattgg c

```

451

&lt;210&gt; 685

&lt;211&gt; 468

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 685

```

tctctctggc ctcttcccc ctgcccaggg atatggcctg ggcattgtcta tccatatacct 60
gggcatggca tgggaaccac cgctcaaaa agccaaccag cctgctgtcc cctccccctga 120
tcctggcagg tgaacattat tccatcattc gccaaggctg acaccatctc caagagcgag 180
ctccacaagt tcaagatcaa gatcatgggc gagttgggtc gcaatggggg ccagatctac 240
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gggtgagggc ctgagggccc tggggccaga gggcgaggag ccggcacaga tctgacacag 360
ccccaggaga ctcttggtcc ccaggattcc agccttagct tctccaggac agaaggggtg 420
gcatctggag ctggccagtc ctacatctgt gggcagggga caggaaga

```

468

<210> 686  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

```
<400> 686
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ttgttcaggt ctggctgccc ctccctagga cccaggggca gggagggaga gtctgccatt 120
agtctgtgtc agctcagggc ttacgcatac ccggggccct ttccaggcac atctgccctt 180
tgccgtgggtg ggcagcaccg aggaggtgaa ggtgggggaa aagctgggtc gagcacggca 240
gtacccctgg ggagtgggtg agggtgagtg tggacaggaa atgcctcctg ggggtagaac 300
tgagttccct ggccctgccct gctgcctgta gtacccctgtg ctgtttcctc ctcatgccca 360
cctgcgtgcc taccctgact ctggagtgtg cccgcctgc 399
```

<210> 687  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 687
cgaggtaaac aaagtagggg gcaatgatgc tgcccactct ggaggccgtg gatgtgaccc 60
ccaccgccat gttcctgacc aggggtgggt agagctcagc agtgaagaca tacagcatgg 120
agaaagcaga ggtgatccca aattttccca gcatgaccag accaatggat aagaagtaat 180
aatctggaaa agagacccgg tataaacaat ggtgctttta gaaatgatac tttcttatat 240
cagttatatt tattgtcctt tttgcttcag tgggagtact tttattaaca taaatatatt 300
cccaaaatag cattttctct tcaaagtgtc taatatttgg gcatggacaa agatggagct 360
catgtgaggg gtggctttgt actttgttct actgttattc taggtcatta atgcattcag 420
tgacctttgt ccacttgtct tttgtttgtt aaaacagttt catgggtaag ctattagcat 480
gttaatatag ttaagtttta tcttcaaaga ggaggaccaa tcctttctat cctctttctt 540
attattaaga aatatgtatt tctattacta tcaataattt agtgacattt taatattatg 600
agaacgtcag acacaagggg aaaagggaag catatatcct tttgtgtgct atttaactac 660
ttaagattc agaccagaaa accactgaat gtatcctgga 700
```

<210> 688  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

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<400> 688
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aaaagggaag catatatcct tttgtgtgct atttaactac ttaaagattc agaccagaaa 180
accactgaat gtatcctgga accgacatgt cctactcact gtaatacttg aatatacacc 240
cagggaat gtttgagagt agccagaaat taggaatcat gactatgagt taaagggaga 300
tgtaggtgta gtctttctgt gaaggggatg actgggagag ttactcttcc tctttggtgc 360
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aagctgttca tcttggttaa cttnttacc acaggtacca gttgaatgaa gagaagcaca 600
cctcctcccc agaacagtac tgcagctatg atataacgcc tgggcagggt tcgcaatagc 660
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<210> 689  
 <211> 700

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(700)  
<223> n = A,T,C or G

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tgcagctatg atataacgcc tgggcagggt tcgcaatagc agccaggctg taatgtaagc 180
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aaatgacaaa gggatgggtg gaatcgccct aaaattttat gatgggtcaag aaattctcta 360
tatcttgctg tcttatnnat agccactacc ctcatgggt acttaaattt gaataaatta 420
aaattaaata agattacaaa ttcagttcct tagttacact agccacactt caagtgtcta 480
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ttctcagcta gttgatttca agttttccta tttcctgaat agtttgtacc tcctcaatct 660
cttagagcta ttatatgaag aaaaaatatt agtcacatca              700
```

<210> 690  
<211> 700  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(700)  
<223> n = A,T,C or G

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agttttccta tttcctgaat agtttgtacc tcctcaatct cttagagcta ttatatgaag 180
aaaaaatatt agtcacatca gtgaacataa aatccagatt tcattcttta acaaaaaaga 240
gatacaaggg tcatactgtg ggattcactt agaataaatt ctgattnnnt ttagggaaaa 300
gagtgaatgt cccctaattc ttcaaagtat nacagnctgc agtntgtata ttnggtcatt 360
atagttaact tccatgtaga agcttctctg tgggccatgc gtggtgnctc atgcctgaaa 420
tcccagcact ttgggagacc gaggcaggca aatcacctga ggtcaggagt ttgagaccag 480
cctggccaac atggtgaaac cccgtctcta cttaaaagac aaaaattagc caggcatggg 540
ggtaggcatgt gcctataatc ccagctactt gggaggctga gacaggagaa ttgcttgaac 600
ccaggaggcg aagggtgcag tgagctgaga tcgcaccatt gcactccagg ctgggtgaca 660
gagcgaaact ctatctcaaa aaaataaaaa cataaataaa              700
```

<210> 691  
<211> 700  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(700)  
<223> n = A,T,C or G

```
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ccagctactt gggaggctga gacaggagaa ttgcttgaac ccaggaggcg aagggtgcag 120
```

```

tgagctgaga tcgcaccatt gcactccagg ctgggtgaca gagcgaaact ctatctcaaa 180
aaaaataaaa cataaataaa aaaaagaagc ttctctgtgg aaaaataact atgtaactga 240
gtacccccat ttttctaaga gatagtttat ttctctctc tcttcttttc tctttcctcc 300
ttttctgcac tttctactta gctctttaga agtgcaatta tagcctttta acctcctctt 360
cactggacac tccctgcagg gcaaattcat ctaactatgt gcttagaagc tccagagtgg 420
aactctcacc gccagattt cctcaagcga tatcagtcaa tttccaactc aaagtatgcc 480
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gccagtaga taaggcagca agctagccnt ctgatccctc acctgctcgc gtccctccct 600
gccttttaga agtgcttgc ttcgcttca aaaagaggag cgggtgtacc cttcaggcag 660
gaagccgata cttttctccc taagctagct ttggaataaa 700

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<210> 692

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 692

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ttccgcttca aaaagaggag cgggtgtacc cttcaggcag gaagccgata cttttctccc 180
taagctagct ttggaataaa aagtcacttt cttacatca gactttgtct ttgttaattg 240
gacgctgcaa gctgtgagtg actgaacctg agtttttgtt acaactgcac tatgcagaca 300
cccctgtgta gaaatttgct tattattaac atgactgaga agcagaggat atctgaaaaa 360
tgacttcagg aacactagtg gatcttttta cacatactag acccaaatta gataatacaa 420
ggactaattc ataaacacaa caaataagta tgctcaaggg atcttagtga ttttccatt 480
tagtaatagg agtagtttag atagaactag tgactaattt tttattagct tagtagcacc 540
actaccaag aacatttgca tcagggatat aggctgaaat gtaagaacta agaagcccat 600
gtacctagga cacacttgct taattcagac gcataagctc tgtcattgat ctcttcta 660
tgccaagtag gatggccctt aaaaataaac ttagattagc 700

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<210> 693

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 693

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tcagggatat aggctgaaat gtaagaacta agaagcccat gtacctagga cacacttgct 120
taattcagac gcataagctc tgtcattgat ctcttcta 180
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<210> 694  
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 <212> DNA  
 <213> Homo sapiens

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 <223> n = A,T,C or G

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 aatttttctc caggaaaacc cagtcgttgt cataatgttc ctctgagtta agaaaatcag 600  
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 <213> Homo sapiens

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 aatggatgtc atttaccaca ctgatctgtg atcctcagga ctgcctattg aagggtaggg 600  
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 <213> Homo sapiens

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 ggattacca gccttgcttt ttacacttct cttgtttag tagcatttagca tcagaacaga 480  
 cttcagttta ctggcgggcc ttgggcaagt aacgatcctc tctgaacttc agcttactgc 540  
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<210> 697
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<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

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<210> 698
<211> 700
<212> DNA
<213> Homo sapiens

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<210> 699
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 699
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ccaaggatgc ttgagattgc tttctaagac aatactctac tctatatctt ttctatcca 360
agttaatgct actgcctgta acatgaagtg aaaaatcaca gttgttaaga gcatgtactt 420

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&lt;210&gt; 700

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 700

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&lt;210&gt; 701

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 701

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&lt;210&gt; 702

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 702

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<212> DNA

<213> Homo sapiens

<400> 703

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cctccacaga atcaaatata actgctggta cagctatgtt gttcattttt gcagcttttt 660
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<211> 700

<212> DNA

<213> Homo sapiens

<400> 704

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<212> DNA

<213> Homo sapiens

<400> 705

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700

&lt;210&gt; 706

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 706

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&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 707

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&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 708

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 <213> Homo sapiens

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<210> 712  
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<212> DNA  
<213> Homo sapiens

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<210> 713  
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<212> DNA  
<213> Homo sapiens

<400> 713  
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<213> Homo sapiens

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<210> 715  
<211> 700  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 715

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&lt;210&gt; 716

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 716

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&lt;210&gt; 717

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 717

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&lt;210&gt; 718

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 718

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<210> 719
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 719
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<210> 720
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 720
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<210> 721
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 721
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gacgggggat ccctgtcctg gccccctatg ctctatctgc ctcttctgcc tgctttgctt 180

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&lt;210&gt; 722

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 722

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&lt;210&gt; 723

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 723

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&lt;210&gt; 724

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 724

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<210> 725  
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 <212> DNA  
 <213> Homo sapiens

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<400> 725
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<210> 726  
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 <212> DNA  
 <213> Homo sapiens

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<400> 726
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<210> 727  
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 <212> DNA  
 <213> Homo sapiens

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<400> 727
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gcagagcaca atggagtaaa actaccatga agaggctccc agagcaccct ataacaggcc 240
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cccttggccc tcttaccctt cttcaccctg catgtgggac cacatgctgc atgggaactg 420

```

```

ggaggagagt agatgatagt gtcagagccg gggggggagg gcagcccttt cctgtaggaa 480
gcctggggta tgctctccct gcctcaccgg ctcacacagg ggaggcttgg aggctccaga 540
atcacctgtg gccactaaaa aggcagatct cagtgtgccc cattctatag aaccggggat 600
gccaccacct ggcacaagtc ccacctgtt cccattccca cggagagagc ttctctggct 660
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<210> 728  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 728
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ccacctgtt cccattccca cggagagagc ttctctggct tcaccgtgac tctctaccct 180
tctgttccag atggctcttc aggtcctcct gggatatggg cctgctgggc agagtccctc 240
gttttgggga ggctgttttg gcttttggta tgtgtctggc ccaagcagag ccacatgttg 300
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gaagacaata ggctttgcct tgtgttcttg gagccactgg ggactaggag gttgcaattt 420
ctatcttaag ttctctcaac ctccagtttc caacaacact ggctgaagc tccctgtgcc 480
ctctacacaa atgatcttca agaaaatctt gccccgctcc ttccccctgc aggaagggga 540
gcagcctcct cccgctgggg cctgctgaag agtgtgtctac ctgctgggac catgtggctc 600
cagcatgttc ttcccacctt gtctcctccc ttctcccctc tgcagacact gaggctgagc 660
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<210> 729  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 729
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gtctcctccc ttctcccctc tgcagacact gaggctgagc ccattggcac gggctcttcg 180
caaataatta aaggagtaga gttggaatat ttccatcctg gcaacttgac agaagggtga 240
cacaccatca attagacag tgcagcatct ccaaagccaa cgagtccttc agactcttaa 300
aaagcaatca gagtcaccta accagattcg gacttttgag gcaagaagaa tcgttagact 360
tctattaaag gagtattatt aataatgaca ctgtggacaa tagggacaaa ttgggatggg 420
actgagccac ctagaatata ttatcacctc agagatgatg ggaactggtg tctactgtcc 480
cagggatacc cctcacctct gcttctctca tttgcccatt cgctgggctc aagagaacac 540
actctctcac tctgtgggat gaccctcatc aactcgctcg gagctcacct aactccctcc 600
caggaaaagc tgctgagggc cccagggacc tcttcatgac cttgtaactg atgagtcttc 660
ctcatgcagc ctgacaggag atggggctat cagtgtgggg 700

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<210> 730  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 730
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gaccctcatc aactcgctcg gagctcacct aactccctcc caggaaaagc tgctgagggc 120
ccaggggacc tcttcatgac cttgtaactg atgagtcttc ctcatgcagc ctgacaggag 180
atggggctat cagtgtgggg aggtctgtcc tgtgcttagc tgataggctc tgggggtggg 240
tctaactcag ggtgaggcca gataggccca gtgatggcgg gctggcactg aactccccct 300
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aagcaaccag gaagaagtct caagcctaca caactcagat caaagacatc ctgaggctgc 420
ccttccccta aactgtcctc ctctgtgcct ctcttaagcc ctgtgtctca gagaatgtgt 480
ctcagctgtt gtgcagctgg ttcttaatgg ctctgtctct tcttctccac cacatttcag 540

```

```

ggctcagcac agaggtggct ccctgcgagt gcctgccctg cccctgactt gctccaagag 600
ctgtggctac ggctccctcc caagacacat atatccaaag gctttggaag cacagcccaa 660
tggcccaatg atttcctctt tctgggcctt tcagaggggt 700

```

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<210> 731
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 731
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caagacacat atatccaaag gctttggaag cacagcccaa tggcccaatg atttcctctt 180
tctgggcctt tcagaggggt agagggaagc acccatgtc ccagaagcca ttcctaccta 240
gtatgaaggc taccacatag ttggagatct ggcccatgcc cacgatgaca aataacacag 300
tgaacatctc ccagctgatg gagaaaatct gcaggaagct gaagccagtc tgtacagcca 360
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gtgttttttc agggctctgg cagacttttt tctctgtcac atcctcccat cttcctcctt 540
ggtgagggtc caggcatcca tctgtcagg agatatcttt tgagattctc agcttcctgt 600
ggagacacca tgtctcaaaa gcatggagca gtgtacgcaa ggaccttggt gaaatatgct 660
ctttagaagg agccacagat agatgtacc agcacatttc 700

```

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<210> 732
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 732
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gcatggagca gtgtacgcaa ggaccttggt gaaatatgct ctttagaagg agccacagat 180
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cctcccaaga ttttgggata caaaattgc agtttgggt attaggattt gggaaagtgt cccagatgag 420
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atagaatgga gcacaggtgt gagcagaaca gcctttcccg ccccattttc caaactcatg 600
tctctggctg ttggcttggg ctgggaggct ttccccagca ttgccattta gtacccccac 660
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```

```

<210> 733
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 733
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ctgggaggct ttccccagca ttgccattta gtacccccac cttcctgcac tggtcaccca 180
gcacatacag gggcctgtgg aatactgtct cctgggtgctg tgatgctgcc tcctcaggcc 240
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agtgggggtca gtggccctc cccaccactg gccaaagccc tgggagcatg aggctgggag 540
aatggaacaa aagtgtgtcc aggtgaaggg gactgagggc ggggtgaata ggagacatcg 600
gggctcctcc tatcactgaa tcagtggcct gagggctctc cttttctctg ggtagaaata 660

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ccctgaattc agtccagccc caagataggc agtgattgac

700

&lt;210&gt; 734

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 734

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cccaccactg gccaaagccc tgggagcatg aggctgggag aatggaacaa aagtgtgtcc 60
aggtgaaggg gactgagggc ggggtgaata ggagacatcg gggctcctcc tatcactgaa 120
tcagtggcct gagggtcctc cttttctctg ggtagaaata ccctgaattc agtccagccc 180
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&lt;210&gt; 735

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 735

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```

&lt;210&gt; 736

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 736

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cccatccagt ctttccagaa gtgtggtccc tcccattccc tagggctctgt gggatgctgc 60
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<210> 737  
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 <212> DNA  
 <213> Homo sapiens

<400> 737  
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 aaactggctc tgcgtatccc agcagctcag ctctcagaag gggttacagta tccgaagtag 180  
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 cgctctgctg ctccaggcaca atccaaggat aaatctcaga ctgtaccagc agcaggattg 480  
 cctcgccctg ggctcttgca tgggcttcag gagaaaggga aatgaatcct ctaaaactgt 540  
 atggccagat taatgtgttc tgccagtcca tagaccggaa gtggtaaaca ggacgtgtgc 600  
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<210> 738  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<210> 739  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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 gcccatgaag ctggcccttg caggggatca aacctggcct ccaggaaatg aagcagatgc 420  
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<210> 740  
 <211> 700

<212> DNA  
<213> Homo sapiens

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gccatctgcc tttggagacc ctgcttataa ccagcagggg aaggcagcta gactgcatgg 180  
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<210> 741  
<211> 700  
<212> DNA  
<213> Homo sapiens

<400> 741  
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gctggctggc attgcttttg ggggtgtgctt tcaagtcaaa tcctaacatt tctgaaacat 180  
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<210> 742  
<211> 700  
<212> DNA  
<213> Homo sapiens

<400> 742  
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aaaaaaaaaa aaattgctta atcattgatt caactgacat tcagcaccta cctgctccag 180  
gccaggctct gtgtagggca caagaaagac atgggtccctg ccctcacaaa gctcaagggtc 240  
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gggtggggcg tgttctgggc cacttcaccc ttgctctttg gctagagagg aaagaggcac 360  
cccctcctca ccctcctcca gcagaaggac agagttctaa aacctgaata atccgtataa 420  
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tggtgaatga atattgaaca attaatagg agtcatagaa aatcagcctg gaaaatgtgg 540  
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<210> 743  
<211> 700  
<212> DNA  
<213> Homo sapiens



&lt;400&gt; 743

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acctgcacgg aactgagaac gctggaaggt agcctgggtg tcagcaaaga acacaggctt 240
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tttgataaat ggaattcaat cccagagatg actgtgagtg aaaaattagc aatggtcctt 660
ttaagaataa aagattgatt tctatagtat cctctcatag                700

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&lt;210&gt; 744

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 744

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&lt;210&gt; 745

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 745

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caacaacaac aacaacaaca actatatata tatatatata tatatatata tatatatattc 600
acggtttggg tctaccacgt tttcaatgat ctgttcatca gttgataagt agttgggttg 660
tttccacttt ttggctacta tgaataatgc tgctgtgaac                700

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&lt;210&gt; 746

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 746

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cactgcactc cagcctgggc aacaaagtga gactccatct caacaacaac aacaacaaca 60

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actatatata tatatatata tatatatata tatatatattc acggtttggg tctaccacgt 120
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gccttctgga atttctttca atgacatttt atagttttta aagtatacat tttgcaaatt 660
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```

&lt;210&gt; 747

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 747

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cattatttct ttgagcattt tttctgcctt tttctctctc tctcctctcc tagtaattct 660
attatgcata tattgctatg tttaatgggtg ttccccattt 700

```

&lt;210&gt; 748

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 748

```

atcaggggtg ggatctcttt gtgatcattc tatttggagt ttgttgagct tctgaaagggt 60
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tttaatgggtg ttccccattt ctctgagact ctatacattt tctttattcc ctttttctct 240
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```

&lt;210&gt; 749

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 749

```

catgccatca tgtctggctc agctttttaa aatataaatg taatttttct ctctttattg 60
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```

```

gaccctctca ggcagttact gttgcccacg ttttcccccc atgtataggt catatttttc 240
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```

&lt;210&gt; 750

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 750

```

ccatgcccag ctaatttttg tatttttagt agagatgggg tttccccaca ttagccaggc 60
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tcagaatgac acccctactt tatgagtcag acactgagtg 700

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&lt;210&gt; 751

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 751

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&lt;210&gt; 752

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 752

```

taccaccta gagtggaact tccatttttc ttgtgctggg aggaagggga aggggagggc 60
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gtgtgtattt tcaccagtta tggctgtttc actgaggagc tgggtctatgg cgctggcgct 240
cctcacactg ctaacttcga agtctcagaa tcttttcatg tgctaattga tttgtatttc 300

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tttggcaaaa catctattct ccaaaatggg caaatgattt tatccatttt taaatcaggt 360
tgtcttttta ttgctgagtt atcagagtta tttttatatt ctagatacaa atcctttatc 420
agatatatga tttgtcaata ttttctccca ttttgtgggt tatctttttg gctgtttaat 480
tcttctactc atattttcat ttacaaacaa ctaagccaga aggctgctaa gccttaaaat 540
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gatgagttct gtgatcattg gaggctaaac caaagcagaa gaaccagtga gtgtgagtgg 660
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<210> 753

<211> 700

<212> DNA

<213> Homo sapiens

<400> 753

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gaggctaaac caaagcagaa gaaccagtga gtgtgagtgg gaagataggg atgggagtgg 180
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<210> 754

<211> 700

<212> DNA

<213> Homo sapiens

<400> 754

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ttctagaggc ccaagggtacc tgcagctccc cctgaccagt cctgtcaaag ccttggtttt 180
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gacagtctcc acaccctga gcaatgtccc agggcagcct gcaggcctga tagaaactcc 660
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<210> 755

<211> 700

<212> DNA

<213> Homo sapiens

<400> 755

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gagccagagg cccccacacc ttatccccct tggaaatctgc cagagggcag gtctgagtat 60
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gcaatgtccc agggcagcct gcaggcctga tagaaactcc acaaacctgc ctatcacgga 180
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cttgcttgct gctctcagtg cctcccagaa gttccccgtt agcaggggaa gaggccttat 360
ccttcgccac ataacctggc tcgcctctgg gttatgggtg gggaaatcagt aagtcctact 420

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gctgttcagg ccctgacccc agttcccagg aaagcacaag gctagtgcc aagaggtcc 480
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gggttcctag aggaggcagc ccagctgcag aagaggacag gaggatctac ggtgtggcag 600
cagccctgtc ttagatcact ggtggcctgc aaagaaggct ggtcctaac acacaagggt 660
ccccagggc ctctggagca caagacctgg cagaagtgg 700

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<210> 756
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 756
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ggtggcctgc aaagaaggct ggtcctaac acacaagggt cccccagggc ctctggagca 180
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ctgtggccct gcagatgaac ttaggccctc tccagagcag agcatttggt gcccttcctg 420
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ccctgcagt aggtctcagg gatgaggacc ccagcatcag acactctggg ttgcttgggg 600
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<210> 757
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 757
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gcttcagtc caaccagggt cccaccagtc cctgcttgcc ttcctgctca actgctgcct 180
gatggaaaac ttagcaacga gctgtgactg gcactcctcc cgcaggggta aacacagact 240
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tccttaaagt gaaaaataac ttggtttgag ctagaataac tggagcaaca aaataaagat 360
ggatagcatt agtttataac tgatgaaata aaataagtat gtatgaacct gtactgatat 420
aagttaacaa ttgcatacat taataaatag atgtggaggg gaagctcttc ttctcagaag 480
aattccaatt aataaatggt gaaggaatca gaaaatgcaa aatcatcact aggcaactg 540
cagtaataat tgtttcagtc aagacctagt gatgaatgct aaaatcagtg aataaaaatt 600
tgaggagaca caggattttg tataatctcg aagaacctcc cttagatat ttattagtga 660
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<210> 758
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 758
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aagacctagt gatgaatgct aaaatcagtg aataaaaatt tgaggagaca caggattttg 120
tataatctcg aagaacctcc cttagatat ttattagtga cagaggaaaa aatagtacct 180
ttacagcaga gaaattccac agacaccaac ttgacaaatg atcaaggtta acatcaccag 240
taataagaca catcagcatc atgtaccac tggtatgatg cccagagaat gcatcacttc 300
taaggtatca ttacaaaaaa gtgcataacg caatctaatt gtgagaaaaa tcatgccaac 360
ccaaactgag gagcattcat caaaatactc ataaaaatgt caagatcatg aaagataagg 420
aaagactaag gaacaatcac agattggaga ctgagacatg acaactaaat acaacatggg 480
attttgatg ggatcctacg atagaaaaag ggcagtagta gaaaaactgg tgaatccaa 540

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```

acaaagtctg tagttcagtt attactattg taaccaatgt taatttcctg gtttggataa 600
atgcataacg cgtattttaa ttgttaacat cagagaaagc tagatgaagg gtatatgtga 660
aatctctgta ctattttcaa acttctctct aaatcaaaag 700

```

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<210> 759
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 759
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ttgttaacat cagagaaagc tagatgaagg gtatatgtga aatctctgta ctattttcaa 180
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ttagtaactg cacaggttga aaaacttgga cctcacaatc aaccctgaa gaaggaaact 660
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<210> 760
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 760
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aataaaaataa aataaaaataa aacgaaaaat aatttgactc ttagtaactg cacaggttga 120
aaaacttgga cctcacaatc aaccctgaa gaaggaaact accttataca catgtacaca 180
cacagacgaa tgcactcacg caaaccccaa ctgagacacc ttattgctac ctctggcat 240
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cattgggaga tcctggcacg gcagtataag gcaaagacac aatctgagga cagtccact 420
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gccacaacct ggactttaga acagctcca ccatgcccac tgtccccagc cagtggagaa 660
ggcaaagaag gtgctgagct tctgccttta ccactcctca 700

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<210> 761
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 761
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ttactttctg cttctgtgag tgtgactact cctgtagtga aatcagaaaa taatttgtct 600
tgtgactggc ttatttcact aagcgtagtc tcctcaagggt ttatccacgt tgtagcatgt 660

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ccttcctttt taaagctgaa taatcgcca ttgtacgcat

700

<210> 762

<211> 700

<212> DNA

<213> Homo sapiens

<400> 762

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aagcgtagtc	tcctcaaggt	ttatccacgt	tgtagcatgt	ccttcctttt	taaagctgaa	180
taatcgcca	ttgtacgcat	ataccacatt	atgtttatcc	atttgtctgt	ggaaggacac	240
ttgggttgct	ttcacctttt	gactattgtg	aataatgcta	ccatagacat	gggtgtacaaa	300
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<211> 700

<212> DNA

<213> Homo sapiens

<400> 763

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<210> 768  
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<212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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&lt;210&gt; 772

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 772

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&lt;210&gt; 773

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 773

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&lt;210&gt; 774

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 774

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<212> DNA
<213> Homo sapiens

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<210> 776
<211> 700
<212> DNA
<213> Homo sapiens

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<210> 777
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 777
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&lt;210&gt; 778

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 778

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&lt;210&gt; 779

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 779

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&lt;210&gt; 780

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 780

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ggctctctgca attccagggt cctaccatcc ccactgacac taagaattcc tcacctttac 60
atgttgtgtt gcctcgggtg aaagagtggc ctctggactt cccatgggaa tgtagtcttc 120
tagtaggttc tctgatcttg cataataact acaatctaac atgctaattc ctctgagact 180
tctgactcct tcagtattct gccaaaggaag tttctggcat ctctacttca tttccgaagg 240
tcgtaattgt gtccaagttt caaagaagca tctcagaagc atgtgaaaaa gggttttatgt 300

```

```

atccttgatt ggatgttaat ccctgaataa tgagagtgcc cccagattga tacattctta 360
caaccctctc ctcacacccc tgttatccct gttcctgcc caacatagggt cccgtaattt 420
tttcaatgtg tatgctatctt gcttataaat cagatactgt atttctccac ttaggctgtg 480
ctgagacctt accctagtta ttggtctgca ggcaatgaag ggaggtagggt gatatggagg 540
agaataagca tcctcgttgg ggcccttgcc ttaggaggag tcttggcagg attccaggca 600
aggagaggct tgtctcctat agcaggagaa agatagctgc ttctgctggc cttgaagggt 660
taggagaatc caggaattca aaattctcac attaattctat 700

```

```

<210> 781
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 781
ttggtctgca ggcaatgaag ggaggtagggt gatatggagg agaataagca tcctcgttgg 60
ggcccttgcc ttaggaggag tcttggcagg attccaggca aggagaggct tgtctcctat 120
agcaggagaa agatagctgc ttctgctggc cttgaagggt taggagaatc caggaattca 180
aaattctcac attaattctat tcaaattgtt ccattctttg ttccagggtt ccatatgttt 240
cctatcagggt ccatgactcc attgtagaaa gtagagctat cacagctgtg aatcccttcc 300
ttgcagggtc gccttctagg accactctta tgtcgactgt cttagcccag atttcctcct 360
gaaagcaaaag cctgagtcga gagtttgtgt gtaggtgatt tatttgggaa tggatccaaa 420
ggaacaggaa taagtgtact gggagagtaa aacaggaaag aagggaagcc aatataagag 480
tgcagaggcc agatgtggtg gctcacacct gtaatcctag cactttggga ggccgaggtg 540
ggtggatcat gaaatgagga gttcaagacc agcctggcca agatggtgaa acccnnctn 600
nctactaaaa atacaaaaat tagccangcg tgggtggcaca cacctntaat cccagctact 660
ngggaggctg agncagnana attgcttnaa cccnnggagg 700

```

```

<210> 782
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 782
gctcacacct gtaatcctag cactttggga ggccgaggtg ggtggatcat gaaatgagga 60
gttcaagacc agcctggcca agatggtgaa acccnnctn nctactaaaa atacaaaaat 120
tagccangcg tgggtggcaca cacctntaat cccagctact ngggaggctg agncagnana 180
attgcttnaa cccnnggagg cagaggttgc aatgagccaa gatcgcgcca ctgcactcca 240
gcctgggcga cagagcgaga ctccgtctca aaaaaaaaaa aaaaagtgcga gagtctcaga 300
ccagcccga gagctgcagc cgccttttgc gccctccctg ccttccccat cctccctgcc 360
gacatcatgc tccagttcct gcttgaattt actttggcaa tgtgattgga atgtatctgg 420
ctcagaacta tgccacgcca aacctggata aaacacttga tgaaatgaaa aagggaatg 480
ccgagaaaac cccctagtgt catgaggccg actccagcac tgccctctgg atacactgat 540
tgcaccactc ttgagggcct cctttaccat ctcaacaaaa ggcttttgtt ttcactctca 600
acctcagcga ttttcgtctt ggctagacct ggtgtgcct taggacaaaa atagggccac 660
aagttaagaa ctacctatgt agtgtgacag atcccctgcc 700

```

```

<210> 783
<211> 700
<212> DNA

```

<213> Homo sapiens

<400> 783

```
catgaggccg actccagcac tgccttctgg atacactgat tgcaccactc ttgagggcct 60
cctttaccat ctcaacccaa ggcttttggt ttcattctcca acctcagcga ttttcgtctt 120
ggctagaccc ggtgctgctt taggacaaaa atagggccac aagttaagaa ctacctatgt 180
agtgtgacag atccccctgcc aggttggttta aggggtacatg tccactgcct gaaccctgaa 240
ggccaggcaa tgagccaagg ccatgggtgta tagctgagga atagggtgtcc ctgggaaccc 300
aaacatcctg gagaatagct gagaacctac caagggaaac agtcccatca cacacacata 360
gtaggtaaaag agacagaaaa ttagcttaga gatgggaggt ggcacggatc tctaaagctg 420
tcccgcctgcc attcaggagt gcctcatgca taagtccata taaactcatc tactagccaa 480
gctgaacttg tcccagacat gcttggtctc ttgtctccct ccagtttggt ggtaagggtt 540
tttttaata caattccagg tttttctcat tacaattgct gtcattgaga ggatctgaga 600
aaccaatgga tgaattagga aggcgcctct gcggggagaa tcctaggggtg gttggcaaca 660
tgcattgtggc gtggagttgc ccgactgctc aatcttcaca 700
```

<210> 784

<211> 700

<212> DNA

<213> Homo sapiens

<400> 784

```
gcttggtctc tttgtccctt ccagtttggt ggtaagggtt tttttaata caattccagg 60
tttttctcat tacaattgct gtcattgaga ggatctgaga aaccaatgga tgaattagga 120
aggcgcctct gcggggagaa tcctaggggtg gttggcaaca tgcattgtggc gtggagttgc 180
ccgactgctc aatcttcaca ggccaccgtg gactctggga aaactggtc agaaactgaa 240
tcacctattg taagaagtta agatattaaa atacgataaa gataataaat gtgctattgt 300
tgcaataagg gtagctactg agaaatcatg agagcaggaa agggagaaaag ggtaaaaact 360
ctgcagaag gtgaaaggca tgcagggtt tctaggacac cagcagggtta catatgatgg 420
cctattcttg tgcacgttct aaaactgatg ggcaaataac aacaacaaca aaaaaaaga 480
gctcaaattg ttaagctgca actatagagt taaatagcat cttcatatgc tctctgttct 540
tctctttctt tcccacatg ctttgaatct gctgttatta agccaccgtg ttgagataaa 600
actcactgtt tatggtaaca ctaattcaag gttatttgga gattttgttt ttcttataca 660
attaagccag ttctagttaa aatgtaaaca ataaaatgaa 700
```

<210> 785

<211> 700

<212> DNA

<213> Homo sapiens

<400> 785

```
actatagagt taaatagcat cttcatatgc tctctgttct tctctttctt tcccacatg 60
ctttgaatct gctgttatta agccaccgtg ttgagataaa actcactgtt tatggtaaca 120
ctaattcaag gttatttgga gattttgttt ttcttataca attaagccag ttctagttaa 180
aatgtaaaaca ataaaatgaa aacgaaaagg aaaaaagagg tttttaaaaa tcaaactgcc 240
atggaaaactt ctttcccca aattttgatc cacagctttc cttggattac ctatcaggga 300
aaatagagct tagccataac aggtcccaat tttgtcaaaa gtaatttggg tccaactgtc 360
ttttgtaaaa acaacaaatt tattatattg tctcatggct agagtctctga agtaaaatta 420
tcagatcttt gtgtatgtat gtatatacat gtttaaatat attatatatg tgcattgatt 480
atatgttcta acatgctacc aaataaaatt atagataaat ggggtataaa tccaaatgct 540
tttcaagttc acaggaattc aataatcttt gctaaataag ttggctttta aattattagt 600
aaataaaaaa aaagatatct tcaaaagtgt cagcatacat ttttgtctga gtcttctgat 660
aaaatacact ttatatttgc ctctgctaga tacttttaag 700
```

<210> 786

<211> 700

<212> DNA

<213> Homo sapiens

&lt;400&gt; 786

```

aaataaaaatt atagataaaat ggggtataaag tccaaatgct tttcaagttc acaggaattc 60
aataatctttt gctaaataag ttggctttta aattattagt aaataaaaat aaagatatct 120
tcaaaagtgt cagcatacat ttttgtctga gtcttctgat aaaatacact ttatatattgc 180
ctctgctaga tactttaaag gggtcaggggt ttacatgaaa gttagaagac tgtaaaccga 240
gccaaaaata aaatgatctt tgtctgtatg atttttttga taagcaagac taattcgata 300
ttgtttgggtt aatgaaaaca actgaatttt ctgagttatc agcaggaatc cccatgtgtt 360
taactttaag gctcttgctt agatgaacac ctgatattca caagctatga aaatgggtta 420
cagggaaata acttgcaatg acgattagct ttgttgactg tcttggttct cacaagtaat 480
ctagataaac tgctaaaaat gaataaaactg agtacatgta aatgagataa atgtgtgtag 540
gtgaaaattc tgtatagttt aaaatcttaa aattacttta ggtactcatt gaatgtctag 600
gtcattttcca gtttaaaaag ggttatgata tgggcgaggt atttgtggac cttaatgagc 660
tagataaaaa caaggactgg gccgggcgcg gtggctcacg 700

```

&lt;210&gt; 787

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 787

```

gaataaaactg agtacatgta aatgagataa atgtgtgtag gtgaaaattc tgtatagttt 60
aaaatcttaa aattacttta ggtactcatt gaatgtctag gtcattttcca gtttaaaaag 120
ggttatgata tgggcgaggt atttgtggac cttaatgagc tagataaaaa caaggactgg 180
gccgggcgcg gtggctcacg cctgtaatcc cagcactttg ggaggccgag gcaggcggat 240
cacgaggtca agagatccag accatcctgg ccaacatggg gaacccccgt ctctactaat 300
aatacaaaaa ttagctggac gtggtggcgc gtgcctgtag tcccagctac tcaggaggct 360
gaggcaagaa agctctttga acttgggagg cagaggttgc agtgagccga aatcatgcc 420
ctgcactcca gcctggcgag agagtgaac tctgttgcaa aacgaggacc aagtccagga 480
aataatcaaa gaacaaaaag gggatgagcc aattgaatgt acacttgccc tggatataggc 540
aggcaattaa cacgaaaaaa taccacctgc cagggggatg ctttgaaatc acctgaacaa 600
tccaggaatt acataaggca caaatagtcc agagcaccta taacagccct atgtggcctg 660
caaagaagcc atatgatacc tagaaaatga cagtaaaactg 700

```

&lt;210&gt; 788

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 788

```

gggatgagcc aattgaatgt acacttgccc tggatataggc aggcaattaa cacgaaaaaa 60
taccacctgc caggggggatg ctttgaaatc acctgaacaa tccaggaatt acataaggca 120
caaatagtcc agagcaccta taacagccct atgtggcctg caaagaagcc atatgatacc 180
tagaaaatga cagtaaaactg ccgtgagcta aacagagtga tgccccccgt acctgcagct 240
gtaccgggta ttgctcagct gctagagcaa atggctccta agctgggaaa tgtccatgct 300
gtgattaatt tggctaattg cttttaaagt atttctttag cagacgattc acaggagcag 360
tttgcatcca tttgggaggg caaacaatgg attttccagg tgctaccaca agaatatctg 420
tgcagcccca ccgtctttca tgatatgatt gcacaggacc tgtctagatt cttgcctacc 480
tcagtcttcc tgttttacca tactgataat ataatgttaa cctcagaatc tcttacaat 540
ctggagactg ccctgcacac catcttagac agcctaaaaa ggacagggaa tgggaagtca 600
acccccaaaa catacaaggg cccagtgtag ccatcaaatt cctaggaatt acctggatgg 660
gtaagacacg aaacataccc agagctgtta ttgataagat 700

```

&lt;210&gt; 789

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 789

```

tactgataat ataatgttaa cctcagaatc tcttacaat ctggagactg ccctgcacac 60

```

```

catcttagac agcctaaaaa ggacagggaa tgggaagtca acccccaaaa catacaaggg 120
cccagtgtag ccatcaaatt cctaggaatt acctggatgg gtaagacacg aaacataccc 180
agagctgtta ttgataagat agcacagtag cctattcctc agacaataaa gcaacttcac 240
gttttcctag gtttattagg ctactggaaa atattcatct ctcatttgac acaaaccctc 300
tggccttcac acaccctagt aaaaagggat gcaaaatggg actggacaca taaagagcaa 360
gaggcatttg acaaagcaaa aatgttggtg aaacaagccc aagcattagg tgccccacag 420
ccacagcacc cttttgcatt agaagtcact agagataccg cagggatgaa atgggtgtttg 480
tggcaaaagc aaccaacagt aatggtactt gtaagatttg gtctcaatta tgggaaggggg 540
cataatccca ctatatagtc ctggagcaat aactctggct gtatataggg cattgcaaca 600
aatggaggcc atcaccagaa agcaaaccat cacaataaaa acttcctctc ctataaaagg 660
ggagatggag ggccttctag ccaagcccat ctctgggatg 700

```

<210> 790  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 790
aatggtactt gtaagatttg gtctcaatta tgggaaggggg cataatccca ctatatagtc 60
ctggagcaat aactctggct gtatataggg cattgcaaca aatggaggcc atcaccagaa 120
agcaaacat cacaataaaa acttcctctc ctataaaagg ggagatggag ggccttctag 180
ccaagcccat ctctgggatg atacaatcac acactgctga agtggcatgc ctatctacaa 240
cagaagggtg cttgtccatg agtctgtaa gtcaggcacc acagaaaatg ctcagacca 300
tccactttga acaagtggaa ggggccgaca tggcaatgaa tctacctact aggccaacca 360
tcatatatga agggattcca ttgatacca ctagggccta atacactgat ggggtctagca 420
aaggcaccca acaccaatgg ttggcaatca tgggtgaatat ggacactgac aacatatggg 480
tagaatggga attaggacaa agcagtcaat gggccatgct acaggcagtt tggatactca 540
tcaccacaaa gccctggcca ttagtcattt gcacagataa ttggactaca tacagaggcc 600
ttaccatgtg gatcaatcag agtgccacag acaattggca agtttggggc aggatcctct 660
ggggaatgac catgtggcaa gacatccaca tcaggttaca 700

```

<210> 791  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 791
agcagtcaat gggccatgct acaggcagtt tggatactca tcaccacaaa gccctggcca 60
ttagtcattt gcacagataa ttggactaca tacagaggcc ttaccatgtg gatcaatcag 120
agtgccacag acaattggca agtttggggc aggatcctct ggggaatgac catgtggcaa 180
gacatccaca tcaggttaca ggaaagggat gtccatcttg tgatgtacca tatggatgca 240
catagcccaa acaaccttct ggaaatcaaa aggcgaatgg ccttactcat tcacgtgcag 300
gcaatttgcc caagcccata cgaggaaatg ccgtatgtgc acatcataaa aacggccacc 360
aggggcaatc acagagtggc ccatagcaaa agcagcaggc atccctatcc aataagcaaa 420
tgttttggca gctgttcaga accatgagat ctgctcacia ctgtgacctg gaaagattcc 480
ctccacacca ggtcacatac attgagccat acaaactatg tgagcctggc aagtcaattg 540
tattggtccc ctgccccaga atagaaagaa aaggatgccc ttaacttgta tggacacaa 600
ggggctgcta caggccttcc caataaaatg tgccactcaa ctggagatca tcaaatgtct 660
cactgctctt ttgtgtgtgt gtgtgtgaga cagaatcttg 700

```

<210> 792  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 792
attgagccat acaaactatg tgagcctggc aagtcaattg tattggtccc ctgccccaga 60
atagaaagaa aaggatgccc ttaacttgta tggacacaac ggggctgcta caggccttcc 120
caataaaatg tgccactcaa ctggagatca tcaaatgtct cactgctctt ttgtgtgtgt 180

```



```

gtgtgtgaga cagaatcttg ctctgtcccc caggctgggg tgcagtgggt cgatcttggc 240
tcactgcaac ctccgcctct caagtagctg ggatcacagg tgcccacctg taatacaaaa 300
acgectgggt aatctttata tttttaggag agatggggtt tcaccatgtt ggccagggtt 360
gtctcgaact cctgacctca agtgatccac ccacctcagc ctcccaaagt gctgggatta 420
caagcgtgag ctaccatgcc tggacctcac tgctcttaac gtcattgtat gcatacaaaa 480
aaggatagat aatgatcaag gcccgaattc acaggccata atattaaaca ctgggcatca 540
gaacaaaaca tagactgaaa gttccactta ccatataacc caacaggggc aggccttaca 600
tgcattgtct taggactgga ctaagaatct ccctgtaata caaattttaa atgtcaccca 660
ctaccatgca tggcatcact tcctgtgaat ggttggcaag 700

```

```

<210> 793
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 793
gcccgaattc acaggccata atattaaaca ctgggcatca gaacaaaaca tagactgaaa 60
gttccactta ccatataacc caacaggggc aggccttaca tgcattgtct taggactgga 120
ctaagaatct ccctgtaata caaattttaa atgtcaccca ctaccatgca tggcatcact 180
tcctgtgaat ggttggcaag gtttgtaaac caggcccccac aaactcttgg ggttacctct 240
gagactcaga tccatgatcc tgaaacaaat ggccagactt tgcccctgag cacatcagt 300
gatctacca gtggcgatgg ctacatggac ccaaagttag gctggaaaat gcccatac 360
tagatcgatt ttatagcgct ggaggacacc atgaagactg actgagggga aatgggtcca 420
gccgtgctcc ctgatggaga tccgagatac tgacgttatc aacatgcagc aacaccaaca 480
cctgctagat gcgttaaatg tggatagcac aggcaaggcc agaaatttac caattggctt 540
tatgcccacc cctgtggagg gaaaccctat atagtactgt aagccaggct cgaggccag 600
ggcatctgcc ctaatagggc caatgggaaa aatgattatg ttagcaataa ttaagttaca 660
aggaatagat atacctatga gggtttctac taaacgcctg 700

```

```

<210> 794
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 794
tggatagcac aggcaaggcc agaaatttac caattggctt tatgcccacc cctgtggagg 60
gaaaccctat atagtactgt aagccaggct cgaggccag ggcattctgc ctaatagggc 120
caatgggaaa aatgattatg ttagcaataa ttaagttaca aggaatagat atacctatga 180
gggtttctac taaacgcctg tgtttatgcc caaaggccat ggcttctgct acccatggta 240
gntagtaatg tcttcttgga ctgggctgca gctgcagcaa cagtcaacaa ccagccctgt 300
tactgggtat agggatacct cccctgtgca aatgataatg gcatgccttg gaatattctg 360
cctttctccc aacagaactg gaatgattgc ttcaacagca tcaataaggc aatccggctc 420
actggggact gcctccacct ggaggccaaa ttgccaacat gacagagacc aaacaacata 480
cgtcctcata ggcactacct gttatttctc tgataaagag aatcatgtca cagatgcttt 540
aaatcatttg tcaactcaga tccatgatat agttcaatta gggtactttg actcattctt 600
aaattaggta cacagcttac ctacttgctg gaattatgtt ttgctaatag gcatacata 660
tataganagc ttctgctttt tatgctctta tgtataccat 700

```

```

<210> 795
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 795

```
gttattttctc tgataaaagag aatcatgtca cagatgcttt aaatcatttg tcaactcaga 60
tccatgatat agttcaatta ggttactttg actcattctt aaattaggta cacagcttac 120
ctacttgctg gaattatggt ttgctaatag gcatcataat tataganagc ttctgctttt 180
tatgctctta tgtataccat ggaagtggcc tgtatccaca aactgtggnt atacattata 240
gacctctata gctcttcccc tcgtttcctg ctcagggact ctcgagcaag gttggtggaa 300
agaatataag agctggggaa tgggatgaat tgaagtatga cagggtcccc ggccagggtga 360
ctcaagggtg tatgtccgct gcctgaactc tgaagatcag gtgatgacct aaggccatgg 420
taccagcca aggagcaaat gacctgagg acccaaacat cccagagaat agctgagaac 480
ctaccaaggg aaagagtccc atcacacaca cagaagaagc aaagagccag aaaattagct 540
taaaagcagc ttagggatgg gaggtggcac agatctctaa agctgtccca ctgccatcca 600
ggaatgcctt gtgtgtaagt cctcataaac tcatttgctt accaagctgg acttgtctga 660
ggcactcttt ggtctcttgg ctccctctca atttgggaga 700
```

<210> 796

<211> 700

<212> DNA

<213> Homo sapiens

<400> 796

```
atcacacaca cagaagaagc aaagagccag aaaattagct taaaagcagc ttagggatgg 60
gaggtggcac agatctctaa agctgtccca ctgccatcca ggaatgcctt gtgtgtaagt 120
cctcataaac tcatttgctt accaagctgg acttgtctga ggcactcttt ggtctcttgg 180
ctccctctca atttgggaga aggtattttt ttttaatacaa ttttgggttt ttcttgttac 240
attaccctta tatttccgac atccttatct ctttccacat cttcctttca gccgtttggg 300
aggttctaa actggaatta cgggtgctaga ttagtgaaca tgacctttaa tgagtagtct 360
ttcccttatt ctttgggatt ttgactacct tttgtcagat gaaaaatttg tgagttttgt 420
gtagctgatt ggatgcaaat aatgctgatt tcacatttta gcaaagatgc ttgttaaaca 480
tttgggtacga aattgtgttg tttctaagta attaaaatct atttagaagc caaagaagaa 540
gaagaggaag aggaaagaag aagaagagga agaggaagaa gaagaagaag aagaagaaga 600
agaagaagaa gaagaagaag aagaagaaga aaagaagaag aagaagaaga ggaagaagaa 660
gaagaatgca gcagtaggtt gtttacagat gtaagaaatt 700
```

<210> 797

<211> 700

<212> DNA

<213> Homo sapiens

<400> 797

```
tttctaagta attaaaatct atttagaagc caaagaagaa gaagaggaag aggaaagaag 60
aagaagagga agaggaagaa gaagaagaag aagaagaaga agaagaagaa gaagaagaag 120
aagaagaaga aaagaagaag aagaagaaga ggaagaagaa gaagaatgca gcagtaggtt 180
gtttacagat gtaagaaatt tgggtatggg tctcagaaat gtccatcttt aaggttcaga 240
agtagggaat atttaggtct gggctggaga tacctatttg ggagtggtea taactgcaga 300
gttcttgagg ccttgtttgt gacagcagag ccagccaggg ttcttgggtg caagcatgct 360
cacagaattg atgggaaagc tgaggtagct ctgagataag cagaaatcag ctgttggaga 420
tggcaccgcg ctgggaagta gacagaccag agtggagccc taacagggca gcctgcttca 480
gactgagcct gaaggggagg agtggtcct tgactgggcc aggtggcctc tgatcactgt 540
cctcccagaa caagtccagt gtggtggag taagagcaca aaaggagggt agggacagtt 600
tagaagggat gtggttatta gacagcgcaa acagcaca caaccctaga caatgagcat 660
ctggggagga atggaggagg taggacaggg ccttgaggag 700
```

<210> 798

<211> 700

<212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 798

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gtggctggag taagagcaca aaaggagggt agggacagtt tagaagggat gtggttatta 120
gacagcgcaa acagcacaaa caaccctaga caatgagcat ctggggagga atggaggagc 180
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atccaaagct tcaggggtca cctttacttt gccagcttc caccattcca tgcccatgc 600
aaaaagttgg taagggttag cctgcactct gggctgttct ggggaccttg ccaagtggaa 660
acagatcagc acccttcaga aatggcttgg tcagagtcac 700

```

&lt;210&gt; 799

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 799

```

ggtgatcagg tgctgtggca ccagccttgt ccacactcag atccaaagct tcaggggtca 60
cctttacttt gccagcttc caccattcca tgcccatgc aaaaagttgg taagggttag 120
cctgcactct gggctgttct ggggaccttg ccaagtggaa acagatcagc acccttcaga 180
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tttctggttg gtatgaggat taaaaacaat catatcgttc actaagggtt tggagatgaa 420
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gtgtgtgtgt gtgtgtgcgc gcgcgcgcgc gtgggtgtcg ggggtggtgc atcagcctct 660
gagcttggct caccgggcct gacagacca ctttaagggt 700

```

&lt;210&gt; 800

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 800

```

tcccatgaaa attcaattac agaccaagaa caccctggat ggcagctgag tgttcttgca 60
ctgcagccat tgctcagtga gctggtgtgt gtgtgcgtgt gtgtgtgtgt gtgtgtgcgc 120
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gttgtccagg atagcactgg agtgacgta gctggacagg ggcaccaga ggtggagggg 660
aggtggggca ctcccaggt ggggcagagg gactcagggc 700

```

&lt;210&gt; 801

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 801

```

agacagatta ttctgtgaga aaatgataaa ccaggaagtt acatgaaaag caagtcaggg 60
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tcatgtggcc ctgtgagctg ggatttggaa tttagactct gtcctaagag cagtgaggag 660
ccatggaaac tataataggc aagattgaca ggaattgca 700

```

&lt;210&gt; 802

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 802

```

gagtccttgag gagagtttga tggggctgaa cttacagata agcacaatga gagttacaga 60
ggcacaagtt gtccacagag gccagcaggg gctgtgtacc tcatgtggcc ctgtgagctg 120
ggatttggaa tttagactct gtcctaagag cagtgaggag ccatggaaac tataataggc 180
aagattgaca gggaattgca cttgaaaaac ctcccttagc tggtatgtag agaaaggatt 240
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gtggcaagaa tgatgctttt tttttttttt ttaacagggg ctccactctgt tgccataggct 600
cgagtgcagt ggcaagatca tagctcactg cagcctcgaa ctccctgggct caaggggtcc 660
tcccacctca gccttctgag tagtttggac tataggtgca 700

```

&lt;210&gt; 803

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 803

```

tcaaagtcct taccatggct gtaggagAAC agcctgttgc gtggcaagaa tgatgctttt 60
tttttttttt ttaacagggg ctccactctgt tgccataggct cgagtgcagt ggcaagatca 120
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ctctgagaaa atggatttgt caacctcttt ctttggcttc 700

```

&lt;210&gt; 804

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 804

```

tcttggaag aaagtctgaa gacgggacca gctgcacatg ttttacccta agagcttgct 60

```

```

atataaagga tactttctgg aaggctgggt ggtgtgagga ttcagtcttg cagccactcg 120
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acaatgcctg gcatacagaa ggttcttaat aggtattttt gttttttgag acagagtctt 660
gctctgtcac ccacgctgga gtgcagtggc gtgatcttgg 700

```

<210> 805

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 805

```

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gggttcttaat aggtattttt gttttttgag acagagtctt gctctgtcac ccacgctgga 180
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agggagcagg tgcctccag gacagcagtc cccaaccttt tcggcaccag ggactggttt 540
tgtgaaagac aacttttcca tggatggagg gcagggatgg tttcaggatg attcaaacac 600
attacactta ttgtgcactt tattcctatt attattacat tgtaatatat aatgaaataa 660
ttacatgact caccataatg tatggtgaag gaagccctga 700

```

<210> 806

<211> 700

<212> DNA

<213> Homo sapiens

<400> 806

```

gacagcagtc cccaaccttt tcggcaccag ggactggttt tgtgaaagac aacttttcca 60
tggatggagg gcagggatgg tttcaggatg attcaaacac attacactta ttgtgcactt 120
tattcctatt attattacat tgtaatatat aatgaaataa ttacatgact caccataatg 180
tatggtgaag gaagccctga gcttggtttc ctgcaactag atggtcccat ctgggggtga 240
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ttggaggtga ggtgaaagggt agtgggagga agggaaagccc agtgtatgtg tgagtgggtg 660
tgtgtgcttg tgtgcctgag tgaggggtgg tgcttctcca 700

```

<210> 807

<211> 700

<212> DNA

<213> Homo sapiens

&lt;400&gt; 807

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ctccaagact	tacctccac	tgagaactca	ggcaggatgc	ttggaggatga	ggtgaaaggt	120
agtgggagga	aggggaagccc	agtgtatgtg	tgagtgggtg	tgtgtgcttg	tgtgcctgag	180
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ctgtagcaga	ggaggtgaga	caaagtagtc	agcagcccga	ggtcagagag	gctttaaatg	600
ctagtgggag	gaccagggac	tccatcctga	gggccccgag	gtcagagagg	ctttaaaacg	660
ctaggcagag	gaccaggaac	tccatcctga	gggccctgag			700

&lt;210&gt; 808

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 808

aaggtggact	agctcagagg	atgctggact	ggactgtctg	ctgtagcaga	ggaggtgaga	60
caaagtagtc	agcagcccga	ggtcagagag	gctttaaatg	ctagtgggag	gaccagggac	120
tccatcctga	gggccccgag	gtcagagagg	ctttaaaacg	ctaggcagag	gaccaggaac	180
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aaaccttgtc	ctatgaggac	cctgtcccaa	gcttttcatg	gtcgactaca	ctcagggccc	660
ctgggcagac	gaggtgggct	gggggactgg	gtagaggctg			700

&lt;210&gt; 809

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 809

gagcctggag	cactgtgaat	tggggatcct	ggatctgggt	ccccctcctg	gagagagact	60
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cccactcctg	tgcttaataa	tgcttccctg	ctttcctggg	tgccagtcac	cctctcctct	600
cccacctatg	actgggtggg	gctgggacca	agtcagcggg	ggcaggggtg	gcaggcaagg	660
gcagactcct	ccaccacccc	accctatctg	ggtgtggctg			700

&lt;210&gt; 810

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 810

gaggtggggg	ccaggggccca	tggtccccgg	tatttttcca	cccactcctg	tgcttaataa	60
------------	-------------	------------	------------	------------	------------	----

```

tgccttccctg ctttccctggg tgccagtcac cctctcctct cccacctatg actgggtggg 120
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ctcaacttct gacaactgga aatgtagagg aatagctttg 700

```

```

<210> 811
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 811
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ggaaaagact aatgccagtt cttcccaagt gagtccctag attcagggca acctggtcac 120
agttcagagg tttgcttttc cagagcctga ggcattgcagt ctcaacttct gacaactgga 180
aatgtagagg aatagctttg acaggtttgt aaatgaccaa caaggaggag agattggcta 240
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atgacatttt acttaacaga ctggcaaaaa tgaaaaaaga aacataatat cctgagctgg 600
caggagcaca aggaaatggg tactgtctcg tgctgatgat gaatgtgaat tgataacagt 660
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```

```

<210> 812
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 812
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tactgtctcg tgctgatgat gaatgtgaat tgataacagt ttttttgtga tttgcgatag 180
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cggaggagaa taaagtgtct gtgggtggaa gaaacctgga acagaaaatg ccagaaaaac 660
ctggaacaga agtgcagacg gcccgcggcg gccccggtga 700

```

```

<210> 813
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 813
caagtgttct tttctttcta aaccttcctt ctggtctctg tctggaaatt taagcgcgcc 60
ccctgggtgg ggagagagga aggggaagaa aaggggtct cggaggagaa taaagtgtct 120
gtgggtggaa gaaacctgga acagaaaatg ccagaaaaac ctggaacaga agtgcagacg 180

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gcccgcggcg gccccggtga tctccacact caatcacccct ctccagggga gcgatcgctc 240
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ggcctttctc gccccagct cacccttgca cacacagttc ccccgctgcag agtttgtgcc 360
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ggagcagagg agctttatta gagggacagg gtgaaacata 700

```

<210> 814  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 814
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ctgcgagga gggtagcagg ccaggtgaca ggttcaaggt ggagcagagg agctttatta 180
gagggacagg gtgaaacata ttacaccgg ccgagcaggg accttaagaa gcaggggtgg 240
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cactcgggca gcccctgcag gccgctcagc ggagcgccca gcttgctggc cgtgggcttg 660
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<210> 815  
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 <212> DNA  
 <213> Homo sapiens

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<400> 815
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gccctgcaag tagcggaagg agcctgactg cttgggctcc gcggccacgg gctcggccgg 600
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<210> 816  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 816
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acttggggtc tggtaaggct tatgagtcag aatgcaacca gctaagacc aaggatcaag 300

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tgtcaggggt	cagagtggga	ctgggtgaga	tttgagggat	caagggttaa	gatgggttct	360
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&lt;210&gt; 817

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 817

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&lt;210&gt; 818

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 818

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&lt;210&gt; 819

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 819

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aaacgtgagc gctctcacac gtgtgtctgt cgggcaggca tgcaggcagg gctgacctct 600
aatggggacc agatgggctg tggccagtgg gggtagggct cagcctccgg gcagaggctt 660
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<210> 820
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 820
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tctgagaacc agcctgctgc ccacttggtt gttgaagcct cagtggattt ttcagcagga 660
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```

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<210> 821
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 821
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ccacttggtt gttgaagcct cagtggattt ttcagcagga tgggggtaac tacctgcttt 180
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tccagctagc tccacccct ccccaacacc cccactcagg cagaggggtg gagcagcatg 660
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<210> 822
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 822
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ccccaacacc cccactcagg cagaggggtg gagcagcatg gggacaatgg gccctgtgtc 180
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<210> 823  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 823						
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ccatcagagc	aagtttctga	gacacagatg	tggccatgaa	tccctgtaag	aacagctgag	180
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cctctgtcct	ctcactcctt	ccatcttgct	ctcccttccc	ctggaccttt	cttttctctg	300
aacttgtggt	gcaagacctc	acctctgggc	cacacttccc	ctccctatac	ccctttgcct	360
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<210> 824  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 824						
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ccagccaggc	agggtaggga	atagagcaag	atgggattgg	ggtagatagt	gaggggagaag	120
ctggggcaca	tccttcccct	tggttcagtg	aagcctctcc	ctgccttggc	cccttttctt	180
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gatggctctg	gatacctcag	tcattccccc	ttggctactc	cttatgccat	ggcaaaaaca	360
ggccctagaa	tagcctgacc	ccctcactct	tcttgaggac	aggaccagag	atatgacttc	420
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 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 825						
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700

<210> 826

<211> 700

<212> DNA

<213> Homo sapiens

<400> 826

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<210> 827

<211> 700

<212> DNA

<213> Homo sapiens

<400> 827

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<210> 828

<211> 700

<212> DNA

<213> Homo sapiens

<400> 828

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 <212> DNA  
 <213> Homo sapiens

<400> 829  
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 gtctggggta gaaccttggg agtgagagca cagggtagct cactccagcc agctcaacag 180  
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<210> 830  
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 <212> DNA  
 <213> Homo sapiens

<400> 830  
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<210> 831  
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 <212> DNA  
 <213> Homo sapiens

<400> 831  
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 tgctgaactc caaagatgga gcatcctcac cgtgtgccag ggccaagcac aaacagggt 180  
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 ccccccccc agtggacctt ctatcccagg atcatattatg gagcacagat gggcttggtg 540  
 accccctgtc ctccctctct tgattggctg caaagcatta cacagtcctt agtgggaact 600  
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<210> 832  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<400> 832  
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 ccagggcaga ggtgtgggcc acggtggcga cagctgtggc agggcagctg aggggctggt 180  
 aggagtagtc agcagccaag ttaagggctt gtagtcttag gagagagccc caaaatcaaa 240  
 ttttgctacc cactccctc tctgtgtgac tttaagcacc atctaaccctt tctgagcctc 300  
 acttgtctca tctgtgaagt ggggactata gtagcccttt tttaagttgg taaatgaggg 360  
 ttaaagtagg tggtgcacaa gaaactactt tgaaatggtc atcaagctgg tcaactcagg 420  
 gaggggaaag gaatgaaaca aatgcccag aggtcttatt aggtcttatt tcagttgcct 480  
 gcaacacttg ccataagtgc cccaacacac ttctagtcta agttaaaagg ggatttcttc 540  
 ccttcttaag ctataactct aaacagtatc tgccaggccc ccatgaaagt gctactcctt 600  
 gggactgttc ctggatgggg caccaggag ctgaggcaga gaggtgtgt gaagctgggc 660  
 tcacccaaaa tgccagctgc ccataactgc ccacctcgtc 700

<210> 833  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 833  
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 caccaggag ctgaggcaga gaggtgtgt gaagctgggc tcacccaaaa tgccagctgc 180  
 ccataactgc ccacctcgtc cttccatcct ccagcccag ccacactgtg catacctgct 240  
 cacagacagt gtgaggtgat cgtggcagcc cttgatgcgg ttctgtgcct ccaggtgtgt 300  
 catgagctct gtgctctcac cattgatggc ctggatcagg tctcctgggc acagggcagc 360  
 caatgcagcc ttgctgccag catggacctg cgagcagaca agccagatgg ctgggcacag 420  
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 agtgtggcct gctaccagca tggcctgtgg atgggcaagc cgagtggctg gttgaggtcc 540  
 ccatgtagcc tggctgcagc cttgctggaa acacctccaa ctccagcacc tggaggcctg 600  
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 ttgcagcctg cgtatgtgcc caaggacatg caggggacac 700

<210> 834  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 834  
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 agaagggtt cctcagggtt gggacaaatg gatgttgttc ttgcagcctg cgtatgtgcc 180  
 caaggacatg caggggacac agagacacat ggagacatag gtgctcacag atacatacac 240  
 agcatggaca tatcacagat accctacaca gacaaggccc caaccagaca gactacacac 300  
 cttgacctaa tattcaaacc cttagtgaac ttgccttcct acttgcctga tttcaactct 360  
 catccccacc tccacaccca cactctgtcc agaccatgtg aatgtctatg ggggtgctcac 420  
 aggaccata tatcactcac ctctacactt ctgcaaaagc tgctccctcc acctggaaca 480  
 ttctcttgac tccacatcc tcatccttca gatctcagca tagaggccac ttctctgtgg 540  
 agcctctctg ggatctcact acccagtgtg ctcccatgac caccttttcc ccctacactg 600  
 ttcatgttaa tacttcatta taattaaaat gggaaggtct gaacatcacc tccctgagca 660  
 agtccagggc catccagttc cagctgacag cctgcgtttg 700

<210> 835  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 835

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taattaaaaat gggaagggtct gaacatcacc tccctgagca agtccagggc catccagttc 180
cagctgacag cctgcgtttg ggggtcagaa ttctacctct acttcccctg caggacagga 240
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gagatatcta agtaagcaac tcaggggaat ccaggccatg gagcaccct caccctgcct 420
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ctggttcaaa agctgccagt gaccccatte ttttgggtgg gagctcctac tgggtgggaac 540
tcctggaagc ccagctaggc tcagttcagc caggtctcag tagtgagtgg acaaagctga 600
ggtgctggca gctccttggc tggaggcctg gtgttggcac tgcccaagct gacctgcct 660
gaagtaggct gcctcaagga aacgttcttc tgaagcatga 700

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&lt;210&gt; 836

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 836

```

gaccccatte ttttgggtgg gagctcctac tgggtgggaac tcctggaagc ccagctaggc 60
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tggaggcctg gtgttggcac tgcccaagct gacctgcctt gaagtaggct gcctcaagga 180
aacgttcttc tgaagcatga caccctcanc caactagccc atcattaatg ttcacttgta 240
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aggatgactc agccagcaca aggggtacat tcaggcttct gtgggcggag gaagtttctt 600
gaaagcagtg gtggctggga tgctgccagc tctattgagc taggggagtt ctggtcagag 660
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&lt;210&gt; 837

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 837

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ctggagagga gtctttcttc agggggcggc taactgcggc aggatgactc agccagcaca 60
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tgctgccagc tctattgagc taggggagtt ctggtcagag agggcgtgag gcccaagaaat 180
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tcctagatca ggaaacggag gtccagagaa gtacagaagg atagttaatt gataaaagac 300
tgaatcaaga tttcaatcca ggccacctga ttccaaattt aaaactatgc tcttaacacc 360
tgcatttttc ttccaaaggg ggtaaggga aagagagtat ctgaggggaga gatagtgttc 420
caggcagaag gaccagcatg tataatggca tatctggaga gaaagaagaa ggaaggttgt 480
atggccggag catcatgagt gaggggagag tgggagagat gaagtcagag aagaggcagg 540
gatcagatat tgcagagtct tgtacaccg ggtgggaagc tggcatttct cctgggtggc 600
tgggaaccat ggagggtctt aagcgggaag tcacaggaca gagtgggaatt caggccgatc 660
cgtctagctc ctaagcacag gataaacaga aagaaggaaac 700

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&lt;210&gt; 838

&lt;211&gt; 700

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

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gataaacaga aagaaggaac agagacagga acagtgaagt cagggtggcg gtgagggtcat 240
gaatcagccc cttaccggta gtggctgcat tcccagcccc tgctccaccc agcctagatg 300
tgggtgggctg ggagtccaag tcagaaccag gtgccacatt gtcctacaca gtcacagcaa 360
actgcagact gcctggattc ctctgtctc cactctgctt ctctgggttg attacattag 420
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tggttgaagg actattttgag aaaaacaggg catgtaaagc cccacacagga ggctgggcat 540
aaggtgggtg tcactacagg gactggaggg agctgttacc aacacccatt agggtagggc 600
ctggcacacc ctggatgctt ggccaaggcc agccatcatt atagcttgtg ggggaaggagc 660
cccggatgat gttcttggga ctcttgaggc cttcatgggc 700
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<210> 839  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 839
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gactggaggg agctgttacc aacacccatt agggtagggc ctggcacacc ctggatgctt 120
ggccaaggcc agccatcatt atagcttgtg ggggaaggagc cccggatgat gttcttggga 180
ctcttgaggg cttcatgggc tgagattgca agccccagc cctgccgggc cgatagcctc 240
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cctgtagacc tgccccagag gtacctgcta ggcaagctgt ggccctgtgc tccccagcgc 420
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tgccgcagcc gcagctgtga cgtgtggagg ctttctctcg gagggcaggc agccgcgtgg 660
gcaacagatg tctcagctcc ctgccgcctg cagccgtcag 700
```

<210> 840  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 840
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atccccagtc agctccaaac aaggctgttg ctgctgctgc tgccgcagcc gcagctgtga 120
cgtgtggagg ctttctctcg gagggcaggc agccgcgtgg gcaacagatg tctcagctcc 180
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cacaagcaga cacaggcttg cgtacacaca cacacacaca gcaggaatcc 360
tataggaaaag aggagatgaa aggtcttggg atgtgttgaa ggcccacctc actcggcccc 420
agggacctgg cagtgagggc agatgtggga agcctcctag gacagctggg cctgcctgtc 480
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ccaagaactg gacagaagtc tcttaaagcc cagccggctt ggcccagccc ccatggcaag 600
aggtggcagt aggttggggg aaggtgcttc tctgtgcctc tgacacaggc ccccaaagac 660
aagatcagcc tgtgtgggag caagggatgg ccgtcagatg 700
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<210> 841  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 841  
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 tcttaaagcc cagccggctt ggcccagccc ccattggcaag aggtggcagt aggggtggggg 120  
 aaggtgcttc tctgtgcctc tgacacaggg ccccaaagac aagatcagcc tgtgtgggag 180  
 caagggatgg ccgtcagatg gtttcagggt atctcctctg ctccctccag actgagagcc 240  
 gccaaagggca gggcctgggt tctctcctct tctgtccctt aggcctgggga cccccaaggg 300  
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<210> 842  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 842  
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 tccccttagg gtgactgagg tcgtgaatga gagactgact cacgccc aaa gtggaagtg 180  
 gatggacctc tgtcttctca gattcagcga ggaccccaga cctccctggg tcaccaagct 240  
 ctgccggcag ggacccctga taggggaagg ggggctctaa atcattttgc ccagatctt 300  
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 ccgcgagaac ccggtctcag acatgggacc gccctgccg cacgcagccg ccagactcac 660  
 ccgtgagatg gtgagggggc cgctgaagtc ccggccgccc 700

<210> 843  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 843  
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 accctccac ttcggggggc tctgaggacc cgccctcagc cccggtgccc ggcaaccgg 480  
 cacccccact cagctctcag agatccccgc gttcggagcg ccccgacggc ctggatcctg 540  
 ctcgggcctt ggatctgcag gccgcggacc caaaccagc tgcgcacacc ggccctttga 600

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agtcgctttt aggggcggtg ctccagccng aggagggatg gagggccac ttgggggatg 660
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<210> 844
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 844
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ctccagccng aggagggatg gagggccac ttgggggatg gggctgcccc agctcagata 180
cctcctcatg ggcccgactg gcacacctgc ggcccatcct gccgtgtgag gagccctctg 240
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acgacagcag gcagcgccga gcgtgggagt ggacacagaa aggtcctcag actagtttgt 360
ggaggccagt aaggcttctt ggaagagggt gtccctgact tgtatctgga agcaagggtg 420
ccctgcttcc ccagaacatt caggccttct cttgctgctt gcaggctcct cgcaggccac 480
ctccctgtct gcacagcccc ctcccctcgt cttttgccag gagatttggt tccccaggtc 540
tcctgagaaa gtagcagctg gagcggctgg ggtcgtggct gtgcagtgtg aagggaagaa 600
atatatgcag cgcttcactt tgggcccttt tctctccaag gtcttctctc cattcccaac 660
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```

<210> 845
<211> 700
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 845
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anagttagaat gtgggtgcct ctgtaggagg caagatgctg ctatctgttc agctgggaga 540
gaaacaagtg gtgtgtggta gcggtgttta tatgggagtg tatttggggt gtgtgtgtgt 600
gggggggtgc ggtgtctgaa tccattagag caccagccat tgggctgttc tccatcactt 660
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```

```

<210> 846
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 846
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gcggtgttta tatgggagtg tatttggggt gtgtgtgtgt ggggggggtgc ggtgtctgaa 120

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```

tccattagag caccagccat tgggctgttc tccatcactt tgtggtggag gaggtttctg 180
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tggctactgc attgtctctc tgaggctctgt agggcagaag ctcccagga cttagaccct 300
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gatttcacat cccaaagact gcctacactc cttgcctcca tcctgaaatt ccttcattac 600
ccgtttactt ctgtccgggg gaatgtgaag tggctcctct gaatatgacc ttcttgcccc 660
ctgagtctct gggcagtgtg atccatctcc aaaggcttct 700

```

&lt;210&gt; 847

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 847

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aattcctgaa actcctcttc atacattgct tgtttcccc gatttcacat cccaaagact 60
gcctacactc cttgcctcca tcctgaaatt ccttcattac ccgtttactt ctgtccgggg 120
gaatgtgaag tggctctcct gaatatgacc ttcttgcccc ctgagtctct gggcagtgtg 180
atccatctcc aaaggcttct atcacaagtt tggaggtgga ggtgggggtg ggactctgga 240
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ttggaatgat gcaggatccg ggtccaggcc agtcattccc tcacatgagc tcatgttgac 360
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aaccactca taaggtaccc tgagttctag gcagcagggtc agacaagctg cagattctat 540
ggcttctcca gctctccga aagttcttta aggaagccct cagatttcct tttcccctgt 600
aatggccttg gtccttggag attgctgtat tgctgagacc ctatcatgct ggaataccaa 660
gtcataaggc agtcacaggg tctggaagcc ctcttcaggg 700

```

&lt;210&gt; 848

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 848

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tgagttctag gcagcagggtc agacaagctg cagattctat ggcttctcca gctctccga 60
aagttcttta aggaagccct cagatttcct tttcccctgt aatggccttg gtccttggag 120
attgctgtat tgcctgagacc ctatcatgct ggaataccaa gtcataaggc agtcacaggg 180
tctggaagcc ctcttcaggg tggggatgtg tgggtggccag gtcacacatc acccctgccc 240
tagtggcctt caggtattta ctgcacaccc atcagggtgc tgtgctgctg ggaataatca 300
gactgcttat ttcatgcatt cttcttctct gcataagtag gtattgagta ctgagggatg 360
ggtccaggta tcatccataa gggcagaggg tgtgtctgtc ttatttattt gtgtctctcc 420
agcaccgccg agagaacttg gcacacacaa ggcattaaaa aacatttgct attaacaaca 480
ccacagttac aggaattatt atcttagctt accctttgga catgaccagc agggacgcag 540
ggagggcata agggggctta ggaaggtgaa gaattctgct tctgttgccct tcgaggccac 600
acccagtggc tcagggcacg atgccaggc cttctgtatg cagccagggtc tgtccaaggt 660
caggagaagt cactgtgctc tttcctcaat gggcaggcag 700

```

&lt;210&gt; 849

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 849

```

atcttagctt accctttgga catgaccagc agggacgcag ggagggcata agggggctta 60
ggaaggtgaa gaattctgct tctgttgcc tgcaggccac acccagtggc tcagggcacg 120
atgccaggc cttctgtatg cagccagggtc tgtccaaggt caggagaagt cactgtgctc 180
tttctcaat gggcaggcag ggctggcagg ctccagcagg agcagacacc cttgggaatg 240

```

```

ctgttggggc tgagcctaga ataagagggga aggattggga caagaacaac ctcaggctaa 300
gggtgaggtc aacctggagg acaatccagg agagtggcca gaattgatgt agccctgagt 360
ggggaggtgc ggtggagctg atgaggcagc ccatatttga ggataccttc ccgtgaggcc 420
ctggggggcta gccagagagc tcagctgctg acccgctcct cctggcctg gtggcctcag 480
gtctctaggt agagtctgct ccattctggc tcagctcctg gagggccaaga catctctcct 540
tcaaggccca gccccctctc cccagccaag agcctggatt ccaaggggat ctaaagcctt 600
gcttgggagt tccatcttcc tggaatgccc agtccacagt actgaccact ccagggcctc 660
agcaaacagc cagagagaac tttagatgcc ttcatttcag 700

```

&lt;210&gt; 850

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 850

```

ccattctggc tcagctcctg gagggccaaga catctctcct tcaaggccca gccccctctc 60
cccagccaag agcctggatt ccaaggggat ctaaagcctt gcttgggagt tccatcttcc 120
tggaatgccc agtccacagt actgaccact ccagggcctc agcaaacagc cagagagaac 180
tttagatgcc ttcatttcag tgtgacctgt ctgggtccagc tccaccaga tgtctgctct 240
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gaggcagcca caggcatggg caccaggcaa catccaaaag gaaggctga gacagtacag 480
cctgtgaggt gggctggggg ctgatgccc gcatatcctg gaaggacagg actcagtcag 540
gaggcaacaa aactgggtcct ggagccgtgg ttgggttcagc agaacacaca ggggagggcg 600
tgctgtggc aaagggcgtt tcccagctct agttttgtgc cattcaatcc ctcaacaaac 660
acttattgag tgctgtctct atgtccagcc cagacctggt 700

```

&lt;210&gt; 851

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 851

```

ctgatgccc gcatatcctg gaaggacagg actcagtcag gaggcaacaa aactgggtcct 60
ggagccgtgg ttgggttcagc agaacacaca ggggagggcg tgctgtggc aaagggcgtt 120
tcccagctct agttttgtgc cattcaatcc ctcaacaaac acttattgag tgctgtctct 180
atgtccagcc cagacctggt caactaacct tggagtgtgg tggggattct ccaagctgcc 240
acacctctct aggggctgag atgctggagg ctccagaggg ggtcagtcct tgaggatcca 300
aacagggaca aagctggctc tgccaactgg gacccagtta ctggccctga gccagattcc 360
agggcgagca caagagcaga accaactctc ttcaggaaac tgagcctggg ggaggtgtgt 420
gaccaccaca cgctcacaca gtttcaagtg gtaggtctgg ggttttagac cctgtgttg 480
tgcttttgtg ccattgtgct tgccccaggg acagatgtgt ctgagctgga cctgcagtcc 540
ccatcagcac cctgtcaga cctgtctctt ctctgttttc acagagaaaa ccagtctgct 600
ctgggaccca acaaaggggt tgccaggcag caggcgggg acaggtttac ctgctgggc 660
ccagagaggg cctggccctg aggcctgggt gtagaaagg 700

```

&lt;210&gt; 852

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 852

```

tgccccaggg acagatgtgt ctcagctgga cctgcagtc ccatcagcac ccctgtcaga 60
cctgtctctt ctctgttttc acagagaaaa ccagtctgct ctgggaccca acaaaggggt 120
tgccaggcag caggcgggg acaggtttac ctgctgggc ccagagaggg cctggccctg 180
aggcctgggt gtagaaagg gttgggagga gtggcatctc acacgggtgg ggtggggggg 240
gtgggagggg gaaggcagct gacaggtggg agagccagag gtggctcagc gcagccccag 300
caggaagtg acagaacagg ctgtttgtgg tggcagcgag gcccatgtga tggagccttg 360

```

```

tgcaactggg gcctcaggaa ggcagcttgc aaaagcatca cagcctcacc tctgcctcaa 420
ggagaccccc atcctttcac ccctccact tctcattcag gccagaggat tcgggcagcc 480
tgccggccat cccttagtct cccccagcat cagatgtccc aagtctacct gtagtcata 540
aatagaggcc caaccaggt gtcttcaggt ttccagtttc tctgacagc tggagccttc 600
ccttagtctt gcctcttggg gtctgtgagg agaagggtgcc tccatttaca aatcagctcc 660
tccaggcaga gcagcagagg gattgcagag caactgtacc 700

```

```

<210> 853
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 853
ccccagcat cagatgtccc aagtctacct gtagtcata aatagaggcc caaccaggt 60
gtcttcaggt ttccagtttc tctgacagc tggagccttc ccttagtctt gcctcttggg 120
gtctgtgagg agaagggtgcc tccatttaca aatcagctcc tccaggcaga gcagcagagg 180
gattgcagag caactgtacc atgtgtcat tctacgccct ggacctagaa tgtcttggcc 240
gtggcctgac catcactgtg cctggacaaa agcaggggtg taaaaacctt tccttctcag 300
cccagagagg agagacgctg ctataagggtg caggtaaggc ttgagcaaaa gtgcagggtt 360
gacaagaagg agacggacat acatgcagcc cagaaattca gttactgggg ctctccagac 420
atactctgtc actcatctgt cagctggggc ctggactcat ggcccagctt tagccctgcc 480
ccagcgcaca catccacaga cactcaaatt tagcagtgc ctggccagga ctgtctgggtc 540
tctggcctga ggccccctct tctcttcttg accactagaa ctgacatcca gggctactca 600
gaaggcagga gaggcccatg ctacttccat atttcttctt cccatccttc tttttttttt 660
ttttaaatag cagctagaac gagcttggag cactttcata 700

```

```

<210> 854
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 854
cactcaaatt tagcagtgc ctggccagga ctgtctgggtc tctggcctga ggccccctct 60
tctcttcttg accactagaa ctgacatcca gggctactca gaaggcagga gaggcccatg 120
ctacttccat atttcttctt cccatccttc tttttttttt tttttaatag cagctagaac 180
gagcttggag cactttcata ttctacgtt cccaataaaa taaaaaagga agaatgtga 240
aaatagtgtt tcaagaatta tggcatttgt tacttctgct ttgtttattt attcatcaga 300
tatttttgag agcctcctat gtgtcaggca ctgttttagg cctcagtgtt aaactattaa 360
gttttattta tttatttact tatttattta ttgttattat cttttaaaaa gagacggggt 420
ctcactatgt tgtccaggct ggtctcaaac tctggggtc aagcaatcca accaccttgg 480
cctcccaaaa tgctgggatt acaggcatga gccactgtgc caggccttaa gtctttataa 540
tacatattta aaatggatag cctcatttgg aaataacttc aaagatttaa attccagtct 600
tcttggttct tcgtctcagg agggaccccc ataactcctg atgcccataga ttttctcact 660
ggtatagatt agacctctgt ctcttgatcc tgagggggtcc 700

```

```

<210> 855
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 855
acaggcatga gccactgtgc caggccttaa gtctttataa tacatattta aaatggatag 60
cctcatttgg aaataacttc aaagatttaa attccagtct tcctgggtct tcgtctcagg 120
agggaccccc ataactcctg atgcccata ttttctcact ggtatagatt agacctctgt 180
ctcttgatcc tgaggggtcc tgggggtgtg gattcagatt gccagagggt gtgaagctct 240
cctcaggagt ctggctagca taggcctgtc gctagcctat cctccctgcc ccatccttct 300
tatctcttac gattggccct ctccccgtca gtgccagctc ctttagtcac tgattgggtc 360
tggtgaagtg ccctgccccg tggtgcccag cactgcccag tggtgactga gtcacaggct 420
ggcggggact gttcaggctg acctcacctc caggcctggc cataggacgc cagctgtggc 480

```

```

cactgggtat gagcctggcc gcctgtgttg ctgggagagt caggcagagc catgtcgccg 540
agtccagtag ctgccagctg gccgagaggt ctgggaatcc aggtgcaggg ggccataggg 600
attaaagtcg gaagagccag atccaggcct gtgagggtga agctgggctg aggttgctgg 660
aggctcttga gagaatggat tggagcaggg cccatgagtc 700

```

```

<210> 856
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 856
gcctgtgttg ctgggagagt caggcagagc catgtcgccg agtccagtag ctgccagctg 60
gccgagaggt ctgggaatcc aggtgcaggg ggccataggg attaaagtcg gaagagccag 120
atccaggcct gtgagggtga agctgggctg aggttgctgg aggctcttga gagaatggat 180
tggagcaggg cccatgagtc agcctcatgt cctgggtggc tattttcttg gcttctaaga 240
aaatcaaaat tctttctcac ttccctccc aagactaggt ccatagctgt gtagattcag 300
gatcagcagt gtggagttgg aggcagagct ttcattggga gtgggactga aatcctcaca 360
ccctgcatct ctcataccca cccgcaatgg taagagcatt cacaggactt gagcttccag 420
caagaggatg cctgatcaaa ttgtttgccc cctgtgaaat caccatatta atgggaagat 480
aggcttgctt aggaacaacg gagtttgtgc ctctcctgca ggagaaacca ggagctctaa 540
gagaatgtat aatgagaact tctatgtgtg gagagttaaa caagaagctg tctcatccca 600
gggaagatga acagaaaatg gcggatctgg gcttgaagtg cacacagtgt tggaaaaggc 660
cccacctaag gctctaggac cagcagtcct tgagaagtag 700

```

```

<210> 857
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 857
gagtttgtgc ctctcctgca ggagaaacca ggagctctaa gagaatgtat aatgagaact 60
tctatgtgtg gagagttaaa caagaagctg tctcatccca gggaagatga acagaaaatg 120
gcggatctgg gcttgaagtg cacacagtgt tggaaaaggc cccacctaag gctctaggac 180
cagcagtcct tgagaagtag ctgtgtgtag gattaagaca agctgactgc ggagagctgt 240
gacattgggc attcaagcat gaagcattgt tggcccagag aggttgcaca agcattctcc 300
ctcagagaac catggtgttc cagagccaga gagagatgga gagcttccac aatccttgtg 360
aagatctgtt atcctaacac caatatatcc cctttaagaa aatggtggcc cctgtgaaat 420
tgtcaatata gcaaatgggc tcccataata tattgaaaca ctattaccac cttggggatt 480
ctttttcaaa ttacaagctt gatttaatat aaaacgtaat gattaataca ttagattaaa 540
agaagaaagg aatcttgtaa ttatctcaaa aggcatcgac aaaattcatc agccattcac 600
acgataaaaag ttagaaaacc atgaagagag gaaatgttct tcacatttta aagaacagat 660
ataaaaaacc aaaagccagc attagattta acagtctaga 700

```

```

<210> 858
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 858
gatttaatat aaaacgtaat gattaataca ttagattaaa agaagaaagg aatcttgtaa 60
ttatctcaaa aggcatcgac aaaattcatc agccattcac acgataaaag ttagaaaacc 120
atgaagagag gaaatgttct tcacatttta aagaacagat ataaaaaacc aaaagccagc 180
attagattta acagtctaga aagttctatt aatgggagaa tccaatgtcc tcttctactac 240
tggtgttcag tggtgctctg gaagtcctaa ccaggacaat agggtgaaaa gaagaaataa 300

```

```

gggagaagta aaggaagtaa gtaatagagt caaaatgatc attatttgca gatattatga 360
ttttcctttc ataatatcca agagaatcaa ttgaaaaaatg attatgacca gtaggagaat 420
ccagtaggag ggagcagagt agaataaatt aatatatgta tatagatttt aatagctttt 480
aagagtgcta agtcacaact gattggaaaa tgtgatgaaa acaatttacc attcacgata 540
atggtgaaac attaaaaata tctataaatg aattttgagt acatcaaaag cctataaact 600
cttttctttt ttatttcctt tttcttatac tagtggtggt gagaacanag ggcctatgaa 660
ctttgatcta tgatatattt aaaagaagac aanangtgtg              700

```

<210> 859

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 859

```

gattggaaaa tgtgatgaaa acaatttacc attcacgata atggtgaaac attaaaaata 60
tctataaatg aattttgagt acatcaaaag cctataaact cttttctttt ttatttcctt 120
tttcttatac tagtggtggt gagaacanag ggcctatgaa ctttgatcta tgatatattt 180
aaaagaagac aanangtgtg cacgcgtatg tcatgtgtct ataaaaatca ntatttttaa 240
tttattagta aattcaatgc aattccaaac aaaatttgtg tggggggggag gaattgacaa 300
gatgattcta aggatcaact gaaaagtaag tatgaaaaaa acccaciaat attggattaa 360
gagactaata aagtaagatt tgccctataa gaaagtatgc aatagagcta aaataattaa 420
gaatgtgata gcagcatagg aaaagacgaa tatgttagtg gaacaaaaga gagtccatag 480
catgagataa agaaaacatt ttaattcagg gaataaaaagg tagtttactc aataactcat 540
gttggggcca tttactatta tgcataaaaa ataaggctat aattctatat gctatataat 600
ttccacatt ataaagtaaa tcccaaattg attcatgatc tatatatattt aattttccca 660
atgtgaatgc ttttataaac tactcatatg ctttaccaga              700

```

<210> 860

<211> 700

<212> DNA

<213> Homo sapiens

<400> 860

```

ttaattcagg gaataaaaagg tagtttactc aataactcat gttggggcca tttactatta 60
tgcataaaaa ataaggctat aattctatat gctatataat ttccacatt ataaagtaaa 120
tcccaaattg attcatgatc tatatatattt aattttccca atgtgaatgc ttttataaac 180
tactcatatg ctttaccaga aatgactggt aaaaaaatat atagattaat atttttataa 240
tcatggtgct acggtttgaa tgtgtcccc agagttcatg tgttggaac ttaatctaca 300
atgcaacagt gttgagagg gggctcttac gagtgataa ggtcatgagg gctctgcccc 360
caatggatta atgccaacag aggtgggttt gtatttgtgg gaatgtgtcc ttgtgaagga 420
ggagctcggg ccccttttgt ctctctcacc ctctagcctt ctgccatgga ataatgcagc 480
aagaaggccc ttgaaagatg ctggcacctt gatattggac ttctcagctt ccagaatttt 540
gagaaataaa tttcttttct ttataaatta ctcagctatt ggtattctgt tatagtaact 600
tgaagcagac taagacttga ggtgagaaac atctctttcg tgaagataaa tacttgaat 660
atgttttctt gttacatata gatttcaaaa atcagagaaa              700

```

<210> 861

<211> 700

<212> DNA

<213> Homo sapiens

<400> 861

```

ctggcacctt gatattggac ttctcagctt ccagaatttt gagaaataaa tttcttttct 60
ttataaatta ctcagctatt ggtattctgt tatagtaact tgaagcagac taagacttga 120

```

```

ggtgagaaac atctctttcg tgaagataaa tacttgaaat atgttttcct gttacatata 180
gattttcaaaa atcagagaaa tatgctgcaa actgttggtgta gtttttggtt ctggggatgg 240
tattttggga catttacttt ttctgagtta tatatttgta cagtgtttta atttcatata 300
aataaaatfff actgtttgta attagaaaaa tgaagataat aaaaaggaaa ataaagacaa 360
cagaaggaca aatactgctt cttatgtaag aaccttacaa taatacactt ccatttactt 420
ctcccttctt ttttgctaatt gttgttggtc gtttacctct gtatttgcta taaactccat 480
aataaaatact cattatffff gctttaaaca gtcaactgtc ttttaagtaa tttaaaaaac 540
aagaaaacct attttctatt tacttgtag gtttactggt agcacttggt cttttgttta 600
gagctgaatt tccaacaggt atcaatgagc cacctcagca gagaaatggc ttatttccct 660
tcagccttaa gaacttcctt taggccatgt gcggtggctc 700

```

&lt;210&gt; 862

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 862

```

gctttaaaca gtcaactgtc ttttaagtaa tttaaaaaac aagaaaacct attttctatt 60
tacttgtag gtttactggt agcacttggt cttttgttta gagctgaatt tccaacaggt 120
atcaatgagc cacctcagca gagaaatggc ttatttccct tcagccttaa gaacttcctt 180
taggccatgt gcggtggctc atgcctgtaa ttctagcact ttgggaagcc gagacagacg 240
gattgcctga gctcaggagt tccagaccag cctaggcaac aacagtgaac ccctgtctct 300
actaaatac aaaaaattag ccgggcatgg tggcggtgctc ctgtagcccc agctactcag 360
gtggctgagg caagagaatc gcttgaaccc aggaggcaga ggttgacgtg agctgagatc 420
gcaccactgc actccagcct aggaacaga gtgagactcc gtctctggaa aaaaaaaaaa 480
gaaagaaaaa aaagaacttc ctttaacatt tccggtagta cagacggact ggtgatgaat 540
tctgtcagca tttttttaag atcccgaagt atttttatct ttcattcccc accctgtccc 600
ccaacctttt tttttttttt tttttttttt ttggagacag agccttgctc tatccccccag 660
gctggagtgc agtggcacga tcttggctca ctacaacctc 700

```

&lt;210&gt; 863

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 863

```

cttttaacatt tccggtagta cagacggact ggtgatgaat tctgtcagca tttttttaag 60
atcccgaagt atttttatct ttcattcccc accctgtccc ccaacctttt tttttttttt 120
tttttttttt ttggagacag agccttgctc tatccccag gctggagtgc agtggcacga 180
tcttggctca ctacaacctc tgactcccga gttcagggtga ttttcatgcc tcagcctccc 240
tagtagctgg gattacagac acctgccacc acgcccagct aatttttgta tttttagtag 300
agacgggggt ttgtcatggt ggccagactt gtctggaact cctgacctca gctgttccat 360
ccgcctcagg ctcccaaagg gctgagatta cagggtgtgag ccaccgtgcc cagcctctca 420
ttcccccttt aaagataact tctctggata tagaatacta ggttgctttt ttttctcata 480
gattatttaa tatttaatat ataattccta taattttatt gttttctgtc ttgcattact 540
cctggtaaga aataaatggt gattctaata gttgtttccc ttatgtaatg tgcctatatt 600
cttttatcac ttctaagatg ttctatttgg ttttaagatt ttgactatga tgttcctaga 660
tgtagttccc ttgtttttat cttcttttga gttttaaac 700

```

&lt;210&gt; 864

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 864

```

ataattccta taattttatt gttttctgtc ttgcattact cctggtaaga aataaatggt 60
gattctaata gttgtttccc ttatgtaatg tgcctatatt cttttatcac ttctaagatg 120
ttctatttgg ttttaagatt ttgactatga tgttcctaga tgtagtcccc ttgtttttat 180
cttcttttga gttttaaac cccagcttct tgggatggtg tattaataat tttttaaac 240

```



```

aaatatagaa tttcatttac catttaaaag aatTTTTTTT gcccCaatct ctttctcccc 300
tttccttctg ggactccaat tttatgtata tattagatta catgatactg tttcaagggtc 360
actttgttga ggctgtgttt gtatttttca gtccctttac ttttagatgt tttccatagt 420
cttgacttca agttcattga tcttttcatt tgtagcatcc agtctactca taagtttata 480
tagtacattt tccattttgt atattgtatt tttcaattct agaattttca ttcagctcct 540
tttttatagt tttcatttct ctgctgagat agctcatctg ttcatttatt atctctatct 600
tgtaatttaa acttctttta catatttata atagctatct aaagtcctca tctgctagtt 660
ccaatatctg tgttacctct ggatctatct ctgttgatta 700

```

&lt;210&gt; 865

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 865

```

atattgtatt tttcaattct agaattttca ttcagctcct tttttatagt tttcatttct 60
ctgctgagat agctcatctg ttcatttatt atctctatct tgtaatttaa acttctttta 120
catatttata atagctatct aaagtcctca tctgctagtt ccaatatctg tgttacctct 180
ggatctatct ctgttgatta ttttttgtcc tgggtatgaa tcatattttc ctgcttcttc 240
atatgttttag taatgtttga ctgtatatta ggaattgtga atacttcatt gtttaagagt 300
tggatcatgt ttaaagagtg ttgagtttgt tttattagat agtaaattca ctgagggtc 360
aatgtgagcc tgaggcttgg ttttaggctt tattatggca ggtctaagat actgctgatt 420
acaggcacag agtagcccta ttcttaaagc gtggactttc ttgggttttc attgagtgtc 480
caggggtgtc aacaaagtct tttcaccttg ttgatcagaa cagatctcag aatcatgagc 540
cctctagaat cccacttag ttcttagacc cagagaagtt ttttttgtgt gtttttgtt 600
tgtttgtttg tttggttgtt gtttttaata cactaggcct tatggaatct tgctctgcat 660
gtgaggctta gacaaagcct caggagcacc tctgtatagc 700

```

&lt;210&gt; 866

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 866

```

tttcaccttg ttgatcagaa cagatctcag aatcatgagc cctctagaat cccacttag 60
ttcttagacc cagagaagtt ttttttgtgt gtttttgtt tgtttgtttg tttggttgtt 120
gtttttaata cactaggcct tatggaatct tgctctgcat gtgaggctta gacaaagcct 180
caggagcacc tctgtatagc tttccagagc tccttctttg ttagctcctt tcttctttga 240
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cacatgatga gaccatttgt ctctctctct ctctctctt ggagacaggg tctcactctg 360
ttgcccaggc tggaaatgcag tggcacgatt atggctcact gcagcctcaa cctcctggcc 420
tcaagtgate cttctgccta agcctctgga gtaactggta ctacaagtgt gcaccacaat 480
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tcaaactcct ggctcaagg gatcctcca cctcagcctc ccaaagtgtc aggattacag 600
acatgagcca ctgtgcctgg tgccatttgt ttctgggcac cacttcctta tgccatgggt 660
tggaaagtat cctaggcaaa gcactttccc ttttgtttcc 700

```

&lt;210&gt; 867

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 867

```

tttgtagaga cagggtattg ctatgttgcc caagctgggtc tcaaactcct ggctcaagg 60
gatcctccca cctcagcctc ccaaagtgtc aggattacag acatgagcca ctgtgcctgg 120
tgccattgct ttctgggcac cacttcctta tgccatgggt tggaaagtat cctaggcaaa 180
gcactttccc ttttgtttcc ctctctcaa ggacaaaggc tatttgatgt tcaatgccta 240
taatcactgg ctataaatat ttcgagtttt atggttgttt acagtgggga gggaagttaa 300
ttaccaactt atcagttatg gttggaacct aaggaaagt tgaactaa aagaagaaag 360

```

```

aaaaggaaaa gaaaataggg acccttaatt caagatgtgg atctgatgtc ataaatgtct 420
aagagtctga gcttcatctc aaagcagctg ggccagttga gcataccctg ctgtagttct 480
ttctaacctg gcatacagaat tggactgaat aaaatgtaca gttctggcca ctatagcagg 540
ttgtgtcaga cttatccttc tgctgaaaac aactataaaa gttggacaaa atgtataaaa 600
caactatttg aaggcatttg agaacaacca atacagctaa gaattgagga gttgtgatcc 660
tggaagaaaag ggaataatgt gtagtgagtt ccacatttac 700

```

<210> 868

<211> 700

<212> DNA

<213> Homo sapiens

<400> 868

```

tggaactgaat aaaatgtaca gttctggcca ctatagcagg ttgtgtcaga cttatccttc 60
tgctgaaaac aactataaaa gttggacaaa atgtataaaa caactatttg aaggcatttg 120
agaacaacca atacagctaa gaattgagga gttgtgatcc tggagaaaag ggaataatgt 180
gtagtgagtt ccacatttac ctttgctttt tccctagggg catttcacac attgttactt 240
gaggggaatag ggaccaggca gaaagcatca gtcttaccag actgaggata caaaggtcag 300
agtttcagggc tgccgaagaa gatggaaatt aagaaggaaa attccagaag gtaggaaaga 360
agagagaagg agcccaataa ttgcatgcaa attcctccaa ctttattggc ttttttttga 420
gacaggggtct tgctttgttg cccaggctgg agtgtagtgg tgtgatcttg gctcactgca 480
gcctccctca acctcctgga ttcaagccat ccttccacgt cagcctccca agtagctggg 540
actacaggca catgcaatca tgccctggctg actttgctta tttttttgtg gagatgaggt 600
ctcactatgt tgcccaggct gggcttgaac tcctgggctc aagcaatact ccagcctggg 660
tctcctaaag tggtgggatt acaggcatga atcaccatgc 700

```

<210> 869

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 869

```

ttcaagccat ccttccacgt cagcctccca agtagctggg actacaggca catgcaatca 60
tgccctggctg actttgctta tttttttgtg gagatgaggt ctactatgt tgcccaggct 120
gggcttgaac tcctgggctc aagcaatact ccagcctggg tctcctaaag tggtgggatt 180
acaggcatga atcaccatgc ccaccctatt ggcctacttt tagcctatca ggctaaagaa 240
ctgagcaaat tgtagtagtc tttaaagtgtt ggggagacaa attggaattc aacttctatc 300
aaggtagaga ggccttggtg aatgcgtagg tgttctgcta agtcccagaa gggtcacaca 360
ctaggagaga gggtcacatc ctaggaaata gagatatgtc ctaggacaaa aaagaaccac 420
accagccaaa ccatgacata aaccaaagcc ttgacaggag tagggatatt atttggtact 480
ctgccttcca gaagtcaact taattctctc tttctggatg aataacaacat caccagaga 540
ctttccaact tttcatccaa aatgtgtgtc atctaataga gaagtatgag acatgctaaa 600
aaacaaaaca aaacncaaac aaaaaaacag ggccaaatga ctaaaaatca agagaaaagg 660
cagacaatgg aaatagaccc acagggtgtt cagaaatgag 700

```

<210> 870

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

&lt;400&gt; 870

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aaaaaaaaacag ggccaaatga ctaaaaatca agagaaaagg cagacaatgg aaatagaccc 180
acaggtgttt cagaaatgag agacttccaa taattatgat gaaaatgttc aagaaaatag 240
agggaaagta aaaaaaaaaa aaagatgaaa agctagagaa tttaaatata gaattgccag 300
aatactgata aagatagcag ataggaggca ggactagctt gcagctcctg ctcagacaaa 360
cagagcagtg tgtggagact cacatcctga acttttgctc caagaactac tgcaggaaca 420
taccaggaaa gccaaagaaa tccacagacc ctttgaagga actggatcac tactgcaggc 480
tcctcgagat gcaaaaaaac tgtgagtctg catgttttct cagcaggagg ggtcatgggtc 540
tgggacaagt tctcagccct gggcactggc tacctggaaa tagactcagt actgttgtgg 600
ggccatgggtg ggagtggatg tggcctttag gactgtgggt tgcacaggag cagggtgagg 660
cctgtgactg ccagctttct cccacttccc tggcaaacct 700

```

&lt;210&gt; 871

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 871

```

tgtgagtctg catgttttct cagcaggagg ggtcatgggtc tgggacaagt tctcagccct 60
gggcactggc tacctggaaa tagactcagt actgttgtgg ggccatgggtg ggagtggatg 120
tggccttttag gactgtgggt tgcacaggag cagggtgagg cctgtgactg ccagctttct 180
cccacttccc tggcaaacct gtatgactca gcagaggcag ccacaatcac ccccgaggag 240
ataactccat cggactggga acaacacccc tatccccac agcagctgca gcaagccctg 300
gccaaagaga ggctgagctc tgaaatgcat atccctgccc ccacctgatg gtcttttctct 360
acccaccctg gtagccaaag acaaagggtca taatctcttg ggagctctat ggccctgccc 420
accgtcttaa ccaggtgtcc ctagggcaaa tttgcattct ccttatagga ctgcagcaga 480
tgtgtctctt aaagcaccac ctctgcatg gaggccaaac aacacaaaac caagtaccct 540
cacagagtcc atttcactcc cctgctacct ccacaggagc aggtgctggg atccatgggt 600
gcaatacctg aagatggatc atatcacagg actctgcaga cactccccag taccagcctg 660
tagcccagta gctcagctag gtggctagac ccagaagagc 700

```

&lt;210&gt; 872

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 872

```

ctctgcatg gaggccaaac aacacaaaac caagtaccct cacagagtcc atttcactcc 60
cctgtacct ccacaggagc aggtgctggg atccatgggt gcaatacctg aagatggatc 120
atatcacagg actctgcaga cactccccag taccagcctg tagcccagta gctcagctag 180
gtggctagac ccagaagagc aaaaacaatc tctacagttc agctctcagg aagccccatt 240
cctaggggaa ggggggagaa accacatcaa gggaacaccc catgggacaa aataatctaa 300
acaacagccc ttgaattcca gacctgccct ctgacatagt ctacctaat gagaaagaa 360
cagaaaaaca attccagtaa tatgacaaaa caaggttctt taacaccccc aaaagatcat 420
accagctcac cagcaatgga tccaaaccaa gacaaaatct ctgaattgcc agaaaaagaa 480
ttcagaaggt cgattattaa attaatcaag gaggtaccag agaaaagtga agtcctactt 540
aaataaatca aaaacatgat acaggatttg aaaggaatag tgtcaatagg gatggttagca 600
gttcttcttt gaatgtctga tagaattcca cagtgaatcc acctgggtcat ggattttttg 660
ttgttgttgg caattttttt tttttttttt tttttaagag 700

```

&lt;210&gt; 873

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 873

```

attaatcaag gaggtaccag agaaaagtga agtcctactt aaataaatca aaaacatgat 60

```

```

acaggatttg aaaggaatag tgtcaatagg gatggtagca gttcttcttt gaatgtctga 120
tagaattcca cagtgaatcc acctgggtcat ggattttttt ttgttgttgg caattttttt 180
tttttttttt tttttaagag atggagcttc gctctgtcac ccaggctgga gtgcagtggg 240
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tcccgagtag ctgggactat aggcgcccgc caccatgccc agcgaatttc ttttgtattt 360
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atccgcccac cttggcttcc caaagtgcta ggattatagg cgtgagccac cgtgcccagc 480
cagcaatttt taaaattacc atttaaactc cactgcttgt tatcggctctg ttgagagatt 540
ctatatcttc ctagtttaaat ctaggagggt tgtatatctc caggaactta accatctcct 600
ctaggttttc tagtttatgc atgtaagggtc ttcatagtag ccttgaataa tcttttgtat 660
ttctgtggta ttgaagtggc ttcattgtct ggggaaatac 700

```

<210> 874

<211> 700

<212> DNA

<213> Homo sapiens

<400> 874

```

atttaaactc cactgcttgt tatcggctctg ttgagagatt ctatatcttc ctagtttaaat 60
ctaggagggt tgtatatctc caggaactta accatctcct ctaggttttc tagtttatgc 120
atgtaagggtc ttcatagtag ccttgaataa tcttttgtat ttctgtggta ttgaagtggc 180
ttcattgtct ggggaaatac cctaggttcg tcttgcaactg agaagattaa caacacagac 240
acacacacgt gaagcagggtt aaggagggga aagtttaata gacaaaaaag aagagagagt 300
gagctttctc atacagggca ggtgggatgc gatccatttt atagagaggc ttgaggaggc 360
ggtgtttgat ttacacaggg gccaggggatc tggtttgacc aggtgtaaat gggtacatag 420
cccgagaaga aattggccat cccaccttaa tcttttatta tgtaaatgtg acctctacct 480
gtccggtgcc atttgaacct tgattcctca ttgtaccaca cataaaatta atttaagatg 540
gatcatagac tgaactatga aacaatcaag cttctaaagg aaaccatgga agcatagttt 600
catgacctct gggtagggaa acatttctta aatgggacat agaaagcact agccaaaata 660
taaaagatta atatgttgga tttgtaagaa ttaagaactt 700

```

<210> 875

<211> 700

<212> DNA

<213> Homo sapiens

<400> 875

```

tgattcctca ttgtaccaca cataaaatta atttaagatg gatcatagac tgaactatga 60
aacaatcaag cttctaaagg aaaccatgga agcatagttt catgacctct gggtagggaa 120
acatttctta aatgggacat agaaagcact agccaaaata taaaagatta atatgttgga 180
tttgtaagaa ttaagaactt ttatttatca aaagatccta ttaggagaat gaacaagcca 240
aagcacagat tgagagggaa tatgtgcaat acatatatcc aacaacaaac tcatatggag 300
aaaatatata gacttctaca attcagttag gaaaatgcag aaatcccaat agggaaaatgg 360
acaaggactt gaacagtcac gtcacaagaa ataactaata aacacctaaa agatgctca 420
atatcaccag ggaaatgttc ttttaaattg caatgagata ttgctacaca cccacaaaaa 480
tgactgaaat tggaaaagct aacaataaca aatgttgaca aagatatgaa gcaactggaa 540
ctctcattca ttgccattgg gaatgtaatt ttgttcatcc atttagaaaa atggtaatat 600
ctacaatagc tcaatatatg catgtcttat gacctaggga tttcactcct ggatttttat 660
tatattttaa taagtgttg tgcccaccaa aagacatgtg 700

```

<210> 876

<211> 700

<212> DNA

<213> Homo sapiens

<400> 876

```

aacaataaca aatgttgaca aagatatgaa gcaactggaa ctctcattca ttgccattgg 60
gaatgtaatt ttgttcatcc atttagaaaa atggtaatat ctacaatagc tcaatatatg 120
catgtcttat gacctaggga tttcactcct ggatttttat tatattttaa taagtgttg 180

```

tgcccaccaa	aagacatgtg	caaacatata	caaaacagtt	ttattttaaca	tgactaaaaa	240
caacccaatg	ttcatcaaca	aaaatggata	aatttgtgta	tattcaaaaca	atggaatacc	300
acatagcaat	gaaaaagaat	gaggaactat	tacaaacaag	atagatggat	atcacaacca	360
taatgtggag	tataagaagc	cgacccgaaa	gaatatatat	tgtataactt	cactttttata	420
aagttcaaaa	tctgacaaaa	ctaatacaaaa	gtgaacaaaag	aaaaaatagt	gcttaacttt	480
gggagagttt	actgactatg	aaaaggtaca	tgggaagccct	ctgggtattct	ggaaatagtc	540
tatatatttta	tgtgggaggt	aattatgtga	atttatatgt	aagcaaaaaca	cattgagctg	600
tatatcaga	catgtttagt	ttactgtatg	ttaactgtat	cttaataagt	aagtttttaa	660
acaaaagcac	actggctgcc	catgcctctc	tacccctgct			700

&lt;210&gt; 877

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 877

aaaaggtaca	tgggaagccct	ctgggtattct	ggaaatagtc	tatatatttta	tgtgggaggt	60
aattatgtga	atttatatgt	aagcaaaaaca	cattgagctg	tatatcaga	catgtttagt	120
ttactgtatg	ttaactgtat	cttaataagt	aagtttttaa	acaaaagcac	actggctgcc	180
catgcctctc	tacccctgct	agtggggatt	cgtgaggccc	gaagaggag	atactattaa	240
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ataccaattg	caggtcacac	atggaaccca	ttcatgcatt	ccttcttct	ctctctgcat	360
gccactattg	gttcccaaaa	tcaaagagg	cttccagggt	gacctgtgtg	tttggccttg	420
ggggcttgtg	acaataaact	ggggagatgc	attagtgtgc	taaggctgcc	ataacaaaat	480
atcacagcct	gagtggctta	aacaatagaa	attcattttc	tcatagttct	ggaggccgga	540
agttcaagat	taaggtgtca	tcagggtggg	ttcctggtga	ggcctctctt	cctggcctgt	600
agatagatgg	ccaccttctt	gctatgtcct	cacatggcct	catctttgtg	caaatgtgga	660
gagatacaac	tctcttgtct	cttctctctc	ttacaaggac			700

&lt;210&gt; 878

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 878

aacaatagaa	attcattttc	tcatagttct	ggaggccgga	agttcaagat	taaggtgtca	60
tcagggtggg	ttcctggtga	ggcctctctt	cctggcctgt	agatagatgg	ccaccttctt	120
gctatgtcct	cacatggcct	catctttgtg	caaagtgtga	gagatacaac	tctcttgtct	180
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cttagccttt	atcagcttta	ttaacctttt	tataggtctt	atctccaaat	gcagtcacat	300
ttaggtaagg	gcttcaacat	atgaattttg	aggctatgca	attcaatcca	cagaaggagc	360
tgatttactt	tttacaccca	tgtcaatttg	gccccctcca	ccccactgat	ctcagagcat	420
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cccagcccag	tccaatggt	ggtggggtgt	atactctctc	attaggcact	tccctctact	660
tcctaaacac	agcaaggccc	agagagggat	gaggccctgc			700

&lt;210&gt; 879

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 879

gctacttctg	ctgtccatgg	ctctgggagg	cctctgctct	gctggaagta	tcactctgtg	60
ttgtcaccac	tggggagaga	tgtctgtttac	tggtgatacc	cccagcccag	tcccaatggg	120
ggtggggtgt	atactctctc	attaggcact	tccctctact	tcctaaacac	agcaaggccc	180
agagagggat	gaggccctgc	ctggccaccg	taggtctccg	tgggaatgag	ccattccctc	240
tcccaggcct	tgctcattct	atctcctctg	ctgcaatacc	attctcccag	acctccaaca	300

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cttccccctgg ctgactatgc agggagagccc acacctcatc ctccctacctg accactcggc 360
aagtgagtcct ccccttctgt agtctccctc agcctctgcg attcaccgtc aattttcttca 420
tctgtgcctc ctctccccc ataaaaacaa acaaaacaaac aaacaaacaa aaaacaacat 480
gagctccatg caggcaggggt gtttttctga ctcatctctg tgtccctggg taccaggac 540
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tgtagaggggt tcctgaagcc ctaggctgag tgaccaagta tggaaaccct gcttgccaca 660
cttcagcatg accaaggcag ctggtcttct ccttcaaagg 700

```

```

<210> 880
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 880
gtttttctga ctcatctctg tgtccctggg taccaggac tggacacaag ggaggtgtca 60
ggggatgtct gttgactgac tgaatgtgag taagtgaggg tgtagaggggt tcctgaagcc 120
ctaggctgag tgaccaagta tggaaaccct gcttgccaca cttcagcatg accaaggcag 180
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tccatatagg tcagcagtca gggcgagag caggggaaag aggagacagg agaggagatc 420
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ctccataaat tagttgtcca atcacagaag catccagag catcatagaa acccagatga 540
ggactgcccc tcctgcttct ctggtctctc tcctccagga gctcctctcc acagagccag 600
gatattcttg gtatgttcag agttcaagggt ctccccatct cctttcctaa cttcactgca 660
ttactagtcc ttggtgttct cttaggggta ctggtccta 700

```

```

<210> 881
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 881
atcacagaag catccagag catcatagaa acccagatga ggactgcccc tcctgcttct 60
ctggtctctc tcctccagga gctcctctcc acagagccag gatattcttg gtatgttcag 120
agttcaagggt tcctccatct cctttcctaa cttcactgca ttactagtcc ttggtgttct 180
cttagggcta ctggctccta tggcctgagg cttccacagc ctgaggcttc ccaaggctac 240
aagtcaactt agctgacct gaaggccct gatcactatg ggctgaggaa aggatctggg 300
gtcttcccaa tctcctcct gcctcctcag ccagtggagg tcccagcatt ggagtcattc 360
cccagggcct ggaaaacatc tctccttctc cgttgctcat gattatgcag gcctagtcac 420
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ccaacctcat ttttgcaact acagctctgg acaagaagga agcagctccc ctaaaaagat 600
tctcccagaa ggctcacac acctttgccc tgggacaaaa atagctgttg gtgccccagg 660
agagagtgca gagaaaattc cagaacttga tgagggcagg 700

```

```

<210> 882
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 882
tttgagttag ccctgttgag ctccatgcac cctctggtgg ccaacctcat ttttgcaact 60
acagctctgg acaagaagga agcagctccc ctaaaaagat tctcccagaa ggctcacac 120
acctttgccc tgggacaaaa atagctgttg gtgccccagg agagagtgca gagaaaattc 180
cagaacttga tgagggcagg gtgtcaacct ggcctacagc tgttgggtga ccactggtgt 240
caacctggcc tacagctgtt gggtgaccac tggggtgaga gggcagtagt tgcccccaaa 300
attgcagcca ccaatgacag catctaacga cccagccagt ttgaggaagc catctttcca 360
ccttcaccac cttgatcatt cactcttcag ccaagaagat gtactgtcca agccatccct 420

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```

tctcccatgg gctctgattt ctacagatga tagaggtaga catcttcctg attccaagtc 480
tgcaactagc tgggttcaggg tcagagtaag taataaggcc agagcctggg ccaaagtcaa 540
talcaggctc tgggttcagag tcaagattaa gggcagagcc agaggacaaa ggacagaacc 600
tcctccttct catgtgaaag gccagatcca cacgcttgcg tatgcatgtg aatccctctg 660
tgcgtgagca tataaatgtg tgtgtgtgtg tgcgtatgtg                               700

```

<210> 883  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 883
tcagagtaag taataaggcc agagcctggg ccaaagtcaa talcaggctc tgggttcagag 60
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gccagatcca cacgcttgcg tatgcatgtg aatccctctg tgcgtgagca tataaatgtg 180
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<210> 884  
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 <212> DNA  
 <213> Homo sapiens

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<400> 884
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cgcgtctggc caattttttt ttttaattag caaaagatac tcccttttca attcacttta 660
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<210> 885  
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 <212> DNA  
 <213> Homo sapiens

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<400> 885
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<210> 886  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 886
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<210> 887  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<210> 888  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 888
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700

<210> 889

<211> 700

<212> DNA

<213> Homo sapiens

<400> 889

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<210> 890

<211> 700

<212> DNA

<213> Homo sapiens

<400> 890

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<210> 891

<211> 700

<212> DNA

<213> Homo sapiens

<400> 891

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<210> 893  
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 <212> DNA  
 <213> Homo sapiens

<400> 893  
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<210> 894  
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 <212> DNA  
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<212> DNA  
 <213> Homo sapiens

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<210> 896  
 <211> 700  
 <212> DNA  
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 <212> DNA  
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<400> 897  
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<210> 898  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 898

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&lt;210&gt; 899

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 899

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&lt;210&gt; 900

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 900

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tgagtaagtc cttgggaaag catctgttga ccaattgact gattgactgg caagaggagc 420
aaaggggtcag cagagaccca cctgcctgga tgggtgtgga gaaagcatga ccgccctcca 480
ccttgacagg tgacaaacca cagtgaatgt gtcaccacat cagatagcca gcatgaattg 540
ctgcactggg agtgtttaaa ggtctgggtg cataattggg agcaaaatgg acaagggtat 600
gctgggagct ctaagccagg aggcctctgg tggctagtca cctccaggaa gcaaaagcca 660
ttatttcttc cttgagaatc cccgtgaata ttggagaggg 700

```

&lt;210&gt; 901

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 901

```

cagtgaatgt gtcaccacat cagatagcca gcatgaattg ctgcactggg agtgtttaaa 60

```

```

ggctctgggtg cataattggg agcaaaatgg acaagggtat gctgggagct ctaagccagg 120
aggcctcttg tggctagtca cctccaggaa gcaaaagcca ttatttcttc cttgagaatc 180
cccgtgaata ttggagaggg cttctcacag ccccatgggc tggggcatga gtgtgttatg 240
ctttgctttt agtggaggag gtgactccag aaggctaaag atttagggac agctgatggt 300
cctggaatgc ttctcagcct tgggcctacg ctgggccctg tgaggggact tagaagtaag 360
cacctgtgtc tccactacta acctgcatgt gagctctcca aggacagagg atgctcagaa 420
ccacccccac acccccactc tggcaccag cacattgtct tcaggcagta ggcacttagt 480
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agagatgctg ggagtatgga gacggagcag gttatctcag tcattgttca cagatggcta 600
ctctgaggag gggacagtgc agcaaagcct caaaggatga gtcaaagggt aataggctaa 660
tagtagggga ggcattccag aatgtgaaaa cagcccaagg 700

```

&lt;210&gt; 902

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 902

```

gccagacgta tgtcatacct cgagtaagag gcaaagaggc agagatgctg ggagtatgga 60
gacggagcag gttatctcag tcattgttca cagatggcta ctctgaggag gggacagtgc 120
agcaaagcct caaaggatga gtcaaagggt aataggctaa tagtagggga ggcattccag 180
aatgtgaaaa cagcccaagg aaaggcttgg cagctcagaa gtgcagaacg gatctcgctt 240
ttggtgtggc ctggagtagc tgcccagaa gctgaggctg gaccaaccag taggggccac 300
actctgaaga gcctggatgc tgtgtcaag agtggactct atcctggtag acagaggccg 360
ctcagggtcg gactgatggt gccttccttt ctggagccaa ggcccagacc aggggtctatc 420
atcagggtgc tgttgaatta aatgctaggg caggctctgt gagggccact ggtggcctga 480
cctatgcttt agaaaacttt ctgtggctgc tacagaggat tacgcctgtg gcacaccagg 540
gcaagactag ggtgagatag ttctctaaag gcacaacatt taaggaggta ctcgctctca 600
ggggccaacc ctatacttgg gtgagctctga cggtagtag ctctttaaag gtttcaccct 660
aagcacctgc cctgcctgct tgctccacc tatctggtcc 700

```

&lt;210&gt; 903

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 903

```

ctgtggctgc tacagaggat tacgcctgtg gcacaccagg gcaagactag ggtgagatag 60
tttcctaaag gcacaacatt taaggaggta ctcgctctca ggggccaacc ctatacttgg 120
gtgagctctga cggtagtag ctctttaaag gtttcaccct aagcacctgc cctgcctgct 180
tgctccacc tatctggtcc cttctgcaca ctggaggctg ggaggtagac tagaggcagc 240
tcaagtgatc caggcatatt agggctgttg ccacagggga tagagatagg cctagttgag 300
agcagaatca gatgacagga ttgcccagga catgagactg gctggagcag gacccatccc 360
ccctccctgg gtgcccatt ctgggagaag tgtaggagac ccccaactct gcctaggagt 420
ctatatgtcc acagccaggg ccaaaacaag atcttaggcc ttggcttctg tcctagggtta 480
tgagtctagg gaaccaagga cactaagcta aagagagtag ggcagcaggt gaaaaagcca 540
caggctgccc caggaaggcc caggccactg gagaccacag ctagaacctt caaccatgtc 600
ccgagactgc tcggccttgc cctttggatg cttgggcaca gcaggaagga agtgataagg 660
gtgcctccac tgctggatgg ggcgtgtctg tcagtcctac 700

```

&lt;210&gt; 904

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 904

```

cactaagcta aagagagtag ggcagcaggt gaaaaagcca caggctgccc caggaaggcc 60
caggccactg gagaccacag ctagaacctt caaccatgtc ccgagactgc tcggccttgc 120
cctttggatg cttgggcaca gcaggaagga agtgataagg gtgcctccac tgctggatgg 180

```

```

ggcgtgtctg tcagtcacatc ttccccccgc tgtctgccca gcaagaccag gggccacccc 240
caggtgctcc ccaggggatt agcagcttgg ttccccagcc cacaccacct gaagctctga 300
ccctatggca acagcacccc ctgctggcta atatggaaaa ccaaccctt tccctcctct 360
agcaggcgga agtttagggg tcttgagaa agagaagggt gcaggcaca tgctgcggga 420
aagggtgggg gcaggaattc aggatggact ttggctatgg cagataagca ggtgccacct 480
ggtaaacaga gcacctatct cctgatcagt agcctttgaa cagatgccag agaggccagg 540
acacaagcaa aggcagaaat gggggtttct aaggtaactg ctgagcgagg ctggctctcg 600
tgggagtccc tgccttctcc tacagcatca tggcccagga aggctgcat cctctgttga 660
gcactgttct cctcaggtgg gctcaggaac tccctcagat 700

```

```

<210> 905
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 905
cctgatcagt agcctttgaa cagatgccag agaggccagg acacaagcaa aggcagaaat 60
gggggtttct aaggtaactg ctgagcgagg ctggctctcg tgggagtccc tgccttctcc 120
tacagcatca tggcccagga aggcctgcat cctctgttga gcactgttct cctcaggtgg 180
gctcaggaac tccctcagat tccccctgag caagccacct ggccccacag aggatttggc 240
ctaggactga aggctgagag ctaggcctga gacagggtag tgccccaggc accccaaaaa 300
gaggatttct ccctaaaatt cctcccgcga ctatccaagg ctagggaatag aggcagggac 360
acatcagcag aacaaaatct cagagcgctc ctgagcagct gcctggctct tcagatgcaa 420
acctggtttag acacacactt ctctgagct ctaggcccat ggctcaggca caaggaccac 480
ctcggagtgc tggatgaggt gccagtgga cagaggagtg agaggacca gtgtatgcca 540
ctttgaccct tcagctgtga gccaggaagt ccaggcagac acagccacaa gcagggccat 600
gccctgggca gccacttccc agaaaagttt ctgccgcaaa acagagagag tggccttccc 660
tgccctgcat gaccctggca cctggagtcc tcacctcaga 700

```

```

<210> 906
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 906
gccagtgga cagaggagtg agaggacca gtgtatgcca ctttgaccct tcagctgtga 60
gccaggaagt ccaggcagac acagccacaa gcagggccat gccctgggca gccacttccc 120
agaaaagttt ctgccgcaaa acagagagag tggccttccc tgccctgcat gaccctggca 180
cctggagtcc tcacctcaga taagaagcca gtagttctag gattttactt acatcatggc 240
tcttgattac agtgaagacc ggggccttgn cctaccacag ggaaacttct ctccggggcc 300
aatggtgtgg atggctgctg ttctcttatg actcagtgtg ggctgggtgc tcaggagagc 360
tgctccttcc catgccctgg atgtgagctc agcagccatc ttgattcacc aggacaatgt 420
gagctccaca caccacctc agaccctcac ctaccgggct ctcagggaga gatgaggcct 480
cccggagagt ccacaaagag aaaaaagcgg cttggctgcc aaaactgccc acgcacccca 540
gatgccatgc tcagctagca gccctgggtg cacacagcct gagagcaggt gggagccata 600
gatgcaacaa gctgtcatca ggcaggggag ggctgggctg ccatgctgag gctgggtggg 660
tgggaaaatc aacttgcagc caccaggaag tacaggagca 700

```

```

<210> 907
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 907

```

```

aaaaaagcgg cttggctgcc aaaactgccc acgcacccca gatgccatgc tcagctagca 60
gccctgggtgc cacacagcct gagagcaggt gggagccata gatgcaacaa gctgtcatca 120
ggcatgggag ggctgggctg ccattgctgag gctgggtggg tgggaaaatc aacttgcagc 180
caccaggaag tacaggagca gagtaaaca cagttgaggt caaaagggtc caatttcctt 240
ggacaagcag gcctcaagaa ggcctctgag ctgcaactgc aactgtattg tattcttgtg 300
tgtgttctgt gtgaacctaa caccctcgcc ggccaaggga agccccttgg ccctcccttg 360
gggtggcagcc aacactagga ccagagaagt ggcagttgtg tcataaagt ccgaagacac 420
ttctggagga atcaatcttc ttttttagtc ttctctgctc attttttctt gtcattttcc 480
tgtatgtata tcttttccct ctctcttcta gccagaaat gcttattgac cactgggtggc 540
ctattgggag tggattactt gacacattca catttactct gtgcccagat gctaggcaca 600
gaagtaggtg ctatgggcac aggcattcga caagaattta ttgagcccat actatgtgcc 660
agacatggct ctagacccta aggatataga aatgaataag 700

```

<210> 908  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 908
ctctcttcta gcccagaaat gcttattgac cactgggtggc ctattgggag tggattactt 60
gacacattca ctttactct gtgccagat gctaggcaca gaagtaggtg ctatgggcac 120
aggcattcga caagaattta ttgagcccat actatgtgcc agacatggct ctagacccta 180
aggatataga aatgaataag gcaacacccc tgctcttatg aaactcatat accggtggag 240
gcagacaaca cacaataaa caaggaaagt gtcacatcgt gataattatt ctgagaaata 300
aaatagcatg atatcatata gactacagag gtggtcacat tagatttggc actctaggac 360
tgtctatctg aggaggtgac attttagttc tctaagtgc agaaggggtg acaatgtgca 420
gaacaagggg aagtgcattc caggcagagg gaatagctag tgccaaggcc ttgggaaaag 480
aacaagctca gtctgtttgc aggaaaagat tgggtgtggc gcagcatggg gggcaaggag 540
gtgaatgata gacgatgaat gatagaacat gcagctcata aggtaggaag gggtcagata 600
aggtgggcat ttggggcctc tgatcagggg cttgggcctt atgcacaggg tgaaatgggc 660
cagtgtgcat tttacttatt tttaaacttt taagttttct 700

```

<210> 909  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 909
aggaaaagat tgggtgtggc gcagcatggg gggcaaggag gtgaatgata gacgatgaat 60
gatagaacat gcagctcata aggtaggaag gggtcagata aggtgggcat ttggggcctc 120
tgatcagggg cttgggcctt atgcacaggg tgaaatgggc cagtgtgcat tttacttatt 180
tttaaacttt taagttttct gtttttcatt ttttttagat gaaaaatgtt gtccaggctg 240
gtctcgaact cttgagctca agcattttatc ctgcctcagc ctcttgagta gttgggatta 300
cagggtgctc tcaactgtgcc tggctcagtg tgcatttttag aaagctcact ggctgctgtt 360
tgcaactggg gctgcagtg ggcaagtgtg gaaataagga gaccactggg gagactggag 420
taggagggat gaactagagt ggtggtgggt gcaatgatga gaatggggaa tgaacccagg 480
cagagtatag aggggaggac acacagagat gaataaaatg tgggtggctcc gaatgggaga 540
aaatatttgc aaaacatata tctagtaaag ggtatgtatc tagcatatgt aaagaatgct 600
tacaactcaa taaggcaatg catttttgtt tgtttgtttg tttgtttgtt ttttgagaca 660
gagtctcact ctgtagccca aactggagtg cagtggcacg 700

```

<210> 910  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 910
acacagagat gaataaaatg tgggtggctcc gaatgggaga aaatatttgc aaaacatata 60
tctagtaaag ggtatgtatc tagcatatgt aaagaatgct tacaactcaa taaggcaatg 120

```

```

catttttgtt tgtttgtttt tttgtttgtt ttttgagaca gagtctcact ctgtagccca 180
aactggagtg cagtggcacg atctcagctc actgcaacct tcgcctcagg ggctcaagcg 240
attcttgcgc ctcagcctcc tgagtagctg agactacatg cgtgtcacca cgctcagcta 300
attttttgtc ttttaagcag agatggggtt tcacccatgtt gcccaagatg gtctcaaaact 360
cctgaactca ggtgatctac ccacctcagc ctcccaaagt gctgggatta caggcatgag 420
ccactgcacc catcttgaca accaaatttt ttaatggaca gaagatttga acgaattttt 480
cgccaaaaaa ggatacgcaa atagtaaata cacatatgta aagatgctca acatcattag 540
tcattagggg catgcaagtt aaaaccacga tgaaatgcc aacacacatct acctggatgg 600
ctaaaatgaa aaagactaac tgtgccaaagt gttggcaatg acgtggaaca actgggatgc 660
tcctaaactg ctgggtgggaa tgtaaaatat tcattttttc 700

```

<210> 911  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 911
atagtaaata cacatatgta aagatgctca acatcattag tcattagggg catgcaagtt 60
aaaaccacga tgaaatgcc aacacacatct acctggatgg ctaaaatgaa aaagactaac 120
tgtgccaaagt gttggcaatg acgtggaaca actgggatgc tcctaaaactg ctgggtgggaa 180
tgtaaaatat tcattttttc ttgacttttt aatagagata gggctctcagt atgttcccca 240
ggctgggtctt gaactcctga gctcaagtaa tcctcccact ttggcctcca aagatgctgg 300
gataacaggc gtgagccacc atgcccagct gggaaggtaa aataatacaa ctacagtcac 360
gtgctgcata atgatttttg gtcaaggaca gactgcatat acgacaatga tctcatgaga 420
ttacaatact gtatctttac tgtgcctttt ctgtgttttag atatgcttag atacacaaat 480
atttaccctt gtgtggcagt cgcctacagt gctcagcaga gttacttgct gtacaggctt 540
gtaccctagg agcaataggc tataccacat agcctagggtg tttggtaggt tataccatct 600
aggtttgtgt aagtacactc tatgatattc acacaaggac aaaattacct aatgaagcac 660
ttctcagact gtatccttgt tactaagcaa tacatgatta 700

```

<210> 912  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 912
cgcctacagt gctcagcaga gttacttgct gtacaggctt gtaccctagg agcaataggc 60
tataccacat agcctagggtg tttggtaggt tataccatct aggtttgtgt aagtacactc 120
tatgatattc acacaaggac aaaattacct aatgaagcac ttctcagact gtatccttgt 180
tactaagcaa tacatgatta cattggaaag caatttggca gtttttttaa tagctaaata 240
tatgcctatc atacagccta gccattcaat tccagggtatt tatccacaat aaaggaaagt 300
gtgtgctcac acaaagattt ggatatgaat gcttacagca gcttaatttg taatagccaa 360
aacctggaaa caacaaaaat gaccatccac aagacagtgg ataaatagct tatggtatct 420
acgcagtggg ttaccaccag gttccagggt taggtaagat aaagtaaaca tactccaccc 480
tgtctcttcc actaagtga gcaatagaac ctgtacagaa tgtatgaagg actctgaaga 540
gtaaaatagca gcagatgaat taggaaagaa aaatcagaat ttggagtacc acggaattgg 600
aggagtttcc cattttttccc tctagtactc cctgggctag actcgaaaca gcctgaaacc 660
tggaagtggg cagcaggcac agacagtggg aatcccagag 700

```

<210> 913  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```

<400> 913
gcaatagaac ctgtacagaa tgtatgaagg actctgaaga gtaaaatagca gcagatgaat 60
taggaaagaa aaatcagaat ttggagtacc acggaattgg aggagtttcc catttttccc 120
tctagtactc cctgggctag actcgaaaca gcctgaaacc tggaagtggg cagcaggcac 180
agacagtggg aatcccagag ccctctagtt ctgctttgag gagtgggggag ggaactccta 240

```



```

atgctcagaa agagtgagaa aataaccacc cccacgccac ctttttttct tttctccatt 300
ctctcatgcc tcagacctct ggcattcttg ttgcaatggc atgagaggac taaaggcacc 360
taaaattcta agggagagaa aactgtctgt tggacaagcc ccaagagggg ctccctcctt 420
cccccttct ctctctctct ctctctctct ctctctctct caatatctct ctccttttgc 480
cagttgaccc tagctgaggg cacagtcgca ggaagtacac agcagagcaa ggtagctaaa 540
actccagatt tctggccaga ggaccaaag gaggagaccc agggaaatcag aaagtaccag 600
ggagatcatg gaaagggagg aatgctggaa actgaaccca caaagttgtt tatgaattcc 660
tgggctcaac tccaaactga gcttgcatgg atctagcata 700

```

&lt;210&gt; 914

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 914

```

cacagtcgca ggaagtacac agcagagcaa ggtagctaaa actccagatt tctggccaga 60
ggaccaaag gaggagaccc agggaaatcag aaagtaccag ggagatcatg gaaagggagg 120
aatgctggaa actgaaccca caaagttgtt tatgaattcc tgggctcaac tccaaactga 180
gcttgcatgg atctagcata ccaaagactt gagaactgaa cctaaggata aacaccaccc 240
ttttctcaag ctgaccactg gagggtgcac acacaggaca gatctaaaca gcactataaa 300
ggctttgaaa atggaacaaa cattgaaact acaatccaca gaaggctggg cggaacttgt 360
ggcccaaag cagctgcatt gattgcctgc taaaatataa acattaacac tctccacaat 420
gttcaaataa taccagaggt ctcataaaat taaaatgtc caggatacaa aaccaaagta 480
tgatcttcct ggcctatgat aggaaaaatc tcattttgca tgggaaaaga caatcaaaag 540
agaacaatga tgagatgttg gaattaagta acaagactt taaagtacta ctatgaaaat 600
gctccaagta aaccctcttg gaatgaatgg aagatggaca gtctcagcaa agaaatagga 660
gatataaaga ataggggaagt aaaagttttg gaacttaaaa 700

```

&lt;210&gt; 915

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 915

```

aggaaaaatc tcattttgca tgggaaaaga caatcaaaag agaacaatga tgagatgttg 60
gaattaagta acaaagactt taaagtacta ctatgaaaat gctccaagta aaccctcttg 120
gaatgaatgg aagatggaca gtctcagcaa agaaatagga gatataaaga ataggggaagt 180
aaaagttttg gaacttaaaa atataagggc caggcatagt agttcatgct ataatcccaa 240
cactttgaga ggccaaggca ggaggataac ttgagcccaa gagttcgaag ctagcctggg 300
ccacaaagtg agaccccgct tctaaaaaaa ataataagtt aggtgtgttg gcatgaacct 360
gtggtcctag ctacttgga ggctgagatg ggaggatagc tcaaacctgg gagttcgagg 420
ctgcagtgag tcgtgatcac accactgcac tacagcctga gtgacaaagc aagaccccg 480
ctcaataaat aaataaataa ataaataaat aaataaata taagaaccaa aatttcagtg 540
ctcactaggt aactcaagag cagaatataa atgagaggaa agaggaagcc agtaactgga 600
agacagacca acagaaatta tccaaacaga aaaacagtga gaaaaagatt tttaaaaagt 660
gaatagaacc tcagagacta gtgagacaa accaaaggtc 700

```

&lt;210&gt; 916

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 916

```

ataaataaat aaataaata taagaaccaa aatttcagtg ctcactaggt aactcaagag 60
cagaatataa atgagaggaa agaggaagcc agtaactgga agacagacca acagaaatta 120
tccaaacaga aaaacagtga gaaaaagatt tttaaaaagt gaatagaacc tcagagacta 180
gtgagacaat accaaaggct taatatattat gtcattagag ttccagaagg aaagaagaaa 240
gagtgacgtg aagataaaaa tgtttgagga aatattgact aaaaacatct tcaatttgga 300
aaaggacata aaactgaaga atatatgtac atatatatat atatatatat acacacatac 360

```

atacatataa	gcatacatgt	accattgcta	gagaaaaatg	acacatcaca	cataggagaa	420
caattcaaat	gacttcagct	tcctcatgag	gagagaggaa	atctcatcgt	agagaccagt	480
aggaagtgga	atcacatctt	taaaatgaag	aaaaagaacc	atcaaccac	cattctcttc	540
acaatttcaa	gaatactcaa	tgaaaatatg	cctcaggagt	gagagtgaaa	taaagacgtt	600
ttcagatgaa	ggaaaactaa	gagagtctct	tgacaacaga	cccgtcctaa	aataattgct	660
acaagaagtt	tttcagacag	atgagaaatg	ataccagaag			700

&lt;210&gt; 917

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 917

taaaatgaag	aaaaagaacc	atcaaccac	cattctcttc	acaatttcaa	gaatactcaa	60
tgaaaatatg	cctcaggagt	gagagtgaaa	taaagacgtt	ttcagatgaa	ggaaaactaa	120
gagagtctct	tgacaacaga	cccgtcctaa	aataattgct	acaagaagtt	tttcagacag	180
atgagaaatg	ataccagaag	ttaacttgga	atatcaggaa	tgaaaaaaag	accaacagaa	240
atggtaaaga	tctgaggtaa	tgcaacattc	tgtgctgctc	ttgagtctct	taaaatacgt	300
tttatggtaa	aaacaaaaat	tataacattt	tttgatgggt	ttttcaatgt	tatatgtaga	360
tagcacataa	gacaactaca	acataaagag	ggtagaataa	aagaaactaa	agttttacat	420
tacacttaaa	atggtaaaat	attgattcta	agtagaccat	gaaaaggtaa	agacgtatat	480
tgtaatccct	ggagcaacca	ctaaaaacaa	aaacaaaaac	aaacagaact	atacaagcag	540
ataaagttaa	aaacacaata	aatgtcctta	aaatggtaga	cacaaatcca	accatatcag	600
taattccatt	aaatgtaaat	gatctaagaa	tggtatcagc	aaaaatggaa	tagagaactc	660
caaaactcct	ttttccataa	aaaacagtga	aaaaaactgg			700

&lt;210&gt; 918

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 918

ctaaaaacaa	aaacaaaaac	aaacagaact	atacaagcag	ataaagttaa	aaacacaata	60
aatgtcctta	aaatggtaga	cacaaatcca	accatatcag	taattccatt	aaatgtaaat	120
gatctaagaa	tggtatcagc	aaaaatggaa	tagagaactc	caaaactcct	ttttccataa	180
aaaacagtga	aaaaaactgg	caaaatcaac	tttattagaa	ctctggagac	taataaaaag	240
tttaataaat	aaaataaaat	ctttttttta	ataaaataaa	ttcttttttt	tttttttgag	300
ggagagtctc	attctgttgc	tctggctgga	gtgcagtggg	gtgatcttgg	ctcactgcaa	360
ccccacctc	ctgggttcaa	gcgattctcc	tgccctcagc	tcctgagtag	ctgggattac	420
aggtgcctc	caccatgccc	agctaatttt	tgtattttca	gtggaggcag	ggtttcacca	480
tggtggccag	gctggtcttg	aactcttgac	ttcaaataat	ccacccacct	cagcctcca	540
aagtgttggg	tttacaggca	tgagccacaa	tgcccagcca	ataaatttta	atcaagaaga	600
aaaacggcta	aatctcagtg	ggaaaacact	gtggtgtttt	aacataacctg	ggctccattc	660
tcctctttcc	cagcttggtg	gcagccttga	agacaacagc			700

&lt;210&gt; 919

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 919

aactcttgac	ttcaaataat	ccacccacct	cagcctccca	aagtgttggg	tttacaggca	60
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ggaaaacact	gtggtgtttt	aacataacctg	ggctccattc	tcctctttcc	cagcttggtg	180
gcagccttga	agacaacagc	ctgcattctt	gatataggtt	cttagtggtc	gagggagcag	240
aatggaactt	actctcaaag	gattgtgggt	gcctgttttg	acctgtctgt	tggttccctg	300
aaggatgagc	acaaaagatt	tactttaatt	tcacctaaat	tagaactctc	ccagggctga	360
agcagctacc	tgggggcattt	ggaaaaacaa	acaaaccaca	cacacatgca	cagagttaaa	420
aacaaatgca	ttcactaatg	gtaacagtta	gggaaataat	agacaaaacca	aaagcttaag	480

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aaaaaaggct ggagaaggaa acactttaag aaataagggc tttaaaaagc tttctggata 540
tctaagaagg tcacacatat gctcagaaaa tctcctagaa gactctacac tctcacctct 600
gactgacctc cagactctgc aagcagaaaa ggaagggttaa ggcagagttg taaacagcct 660
ggctaagtgt taaaagccac acctcaaaac acatacagag 700

```

```

<210> 920
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 920
acactttaag aaataagggc tttaaaaagc tttctggata tctaagaagg tcacacatat 60
gctcagaaaa tctcctagaa gactctacac tctcacctct gactgacctc cagactctgc 120
aagcagaaaa ggaagggttaa ggcagagttg taaacagcct ggctaagtgt taaaagccac 180
acctcaaaac acatacagag ctcatctgaa gatattggga attttttttt tatgttggtc 240
taggtataaa ggaaatttca gtcatcacta gccaccact agtggaaaag tttaatggaa 300
aagtcttttc agtggccaca cgtgacaaaag aatacagact ttaaaaaatt agttcagaaa 360
ggtcactaag taaacaacaa caacaacaac aacaaacaaa aacaactagc aaacaatgac 420
aacaacacctg aaagggggagc agaatgtgat ttccagagtt gtcacattat aacagtaaaa 480
atgtccagtt ttcaacaaaa aaaattacat gccatgaaaa gacagaaaaa agtatggttc 540
atagcgagca aaaataatta atagaaactg tcttgagga agctcaggaa ttgaacttaa 600
tagattaaga ttttaaatca agtattttta aatgtactga aagagctaaa agaaaccata 660
tgcaaagaac taaaggaaaag catgaaaaca gtgtctcgcc 700

```

```

<210> 921
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 921
aaaattacat gccatgaaaa gacagaaaaa agtatggttc atagcgagca aaaataatta 60
atagaaactg tcttgagga agctcaggaa ttgaacttaa tagattaaga ttttaaatca 120
agtattttta aatgtactga aagagctaaa agaaaccata tgcaaagaac taaaggaaaag 180
catgaaaaca gtgtctcgcc taatagcaga tttcagtaaa agaatagaaa ttataaaaaa 240
ggacttagaa attttgagtt aagaagtaaa ataagtgaat tgaacaatgc actagaaggg 300
gtcaacagct atgtgagtag gcaaagaatg aatcagtgaa tttgaagaca ggtcaattga 360
gattaccag tctgagggac agaaaaaaga atgaagaaaa acaaatagag cgtaagtggc 420
ctgtggaata cactgatgg taccacata tgcataccag aagaccagg gggagaggaa 480
agaaagaaag gggatgaaag aatatattgaa gaaataatgg ctcaaaactt ctcaaatttg 540
gtaaaagtaa aggatatgaa tttacacatg caagaagctc aacaaacccc aagtaggata 600
aactcagata ttcatattgt gatacattat aatccaatgg tcaagataaa taaaagaga 660
gaatcctgaa agcagtcaga gagaagtgat gagtcatata 700

```

```

<210> 922
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 922
aatatttgaa gaaataatgg ctcaaaactt ctcaaatttg gtaaaagtaa aggatatgaa 60
tttacacatg caagaagctc aacaaacccc aagtaggata aactcagata ttcatattgt 120
gatacattat aatccaatgg tcaagataaa taaaagaga gaatcctgaa agcagtcaga 180
gagaagtgat gagtcatata caaggatatt taatgtgatt aatggctaatt ttccatcag 240
aaaccacaga ggccaaaagg caatatgatg acatattcaa agagctgaaa gaaaaactgt 300
caaccaagaa ttccatatgt ggcaaaacta ttcttcaaac atgaaggaga agttaagaca 360
ttccagata aacaaaaact aacagagttc tttgctagta tgcctgttgt acaaaagttg 420
ctaaagggag tcttcaggc tgaaatgaaa gaacacttgt gatgattaat tttatgtgtc 480
aacttgactg agccacaggg tgcctggatg tttgggtcaa cattattctg gatgtttccg 540
tgaggatggt tacaggtgaa aataacattt aaattggtac actgagtaaa ggagattacc 600

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```
ctccctaata tgggtgggcc tcattcaatc agttaaaggc ctaaatagaa caaaatgact 660
gacccttccc caagtaaaag agagtttctc ctgcctgcct 700
```

```
<210> 923
<211> 700
<212> DNA
<213> Homo sapiens
```

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<400> 923
tgcctggatg tttggcctaaa cattattctg gatgtttccg tgaggatggt tacagggtgaa 60
aataacattt aaattgggtac actgagtaaa ggagattacc ctccctaata tgggtgggcc 120
tcattcaatc agttaaaggc ctaaatagaa caaaatgact gacccttccc caagtaaaag 180
agagtttctc ctgcctgcct atctttgaac tgggacattg gctttttctt gccttcagac 240
tcaaactgaa acattgggttc tttctttgtc tggagcctgc tggccttcag actagaacta 300
agtcattaac tctcctgggt ctccagcttg ccaagtcacc gtggagattt tgggtacttgt 360
cagtctctgt aatcatgaga attaattctt tataatctcc tctctctctc tctacacaca 420
tacacacaaa catgtgtata tgtatataca tatataatat atatatatat atacagcttg 480
ctggttctgt ttctctggag aacctgact aatacaacta atacaacatt atgcagtaac 540
ttaaatccac atgaaaaata aagaacacca gttatgataa ctatgtagggt aaatataaac 600
attaatatta atgatataatt ttttggttta aactctttat tttctatatg attttaaata 660
caatcataaa acaatgatcc taaaactatg ttgatgggca 700
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```
<210> 924
<211> 700
<212> DNA
<213> Homo sapiens
```

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<400> 924
aacctgact aatacaacta atacaacatt atgcagtaac ttaaatccac atgaaaaata 60
aagaacacca gttatgataa ctatgtagggt aaatataaac attaatatta atgatataatt 120
ttttgtttta aactctttat tttctatatg attttaaata caatcataaa acaatgatcc 180
taaaactatg ttgatgggca taggttgcac aaagatgggt tgggtgtttt gtttttgttt 240
tttggtttctt ggggtttttgt ttttggtttt tttgtagaca gagtctcact ctgtcaccca 300
ggctggagtg tagtggcacc atcttgactc actgcaacct ccacctccca gggtcaagca 360
attcttgtgc ctcagcctcc tgagtagctg ggattacagg cacataccac cagcccagc 420
taattttttg tatttttagt agacatgggg tttcatcatg ttggccaggc tgggtcttgaa 480
ctcctggcct caagtgatct gcctgcctca gctcctaaa gtgctgggat taaaggcatg 540
agctaccacc ccggccacat tacataaaga tgtaatctgt gacattaaca acaaaagtta 600
gagatgaaat tatacagcag taactttttt gtataccatt gaaactaagt tgttattaat 660
ttaaattaga gtgttgtaaa ttaagatggt aattgtaatc 700
```

```
<210> 925
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 925
gcctgcctca gcctcctaaa gtgctgggat taaaggcatg agctaccacc ccggccacat 60
tacataaaga tgtaatctgt gacattaaca acaaaagtta gagatgaaat tatacagcag 120
taactttttt gtataccatt gaaactaagt tgttattaat tttaaattaga gtgttgtaaa 180
ttaagatggt aattgtaatc cccaggacaa atgctaagaa tataatatgt agtaaaataa 240
atgagaaagg aatcaaaaaga gtatactaca aaaatctatc ttacacaaaa gaagacaata 300
atggaggaac tgaggaacat aaaggataaa agacataata gaggacaaat agcaaaatga 360
cagaattaaag ttctctctta tcagtaatta tattaaatgt aaatgaatta agctcttcaa 420
tgaaaaggca gagattggca gaatggattt taaaaagaac catgatccaa ctatatgctg 480
tctataagag acttattttt gattcaaaaga cacaataat ttccaagtgt aaagatggaa 540
agcataccat gcaaacagta accaaaaatg agctgaagtg gctatgctaa tatcagacaa 600
aatggacatt gacacaaaaa tgtttcaaaa aacaaagaag tacattaata tgataaaatg 660
ctcaatgtat taagaagata ttgcaattat aaacaaatag 700
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<210> 926  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 926  
 gattcaaaga cacaaataat ttccaagtgt aaagatggaa agcatacat gcaaacagta 60  
 accaaaaatg agctgaagtg gctatgctaa tatcagacaa aatggacatt gacacaaaaa 120  
 tgtttcaaaa aacaaagaag tacattaata tgataaaatg ctcaatgtat taagaagata 180  
 ttgcaattat aaacaaatag gcacttaaca acagagacca agaacctatg acaaaagatt 240  
 gacagaattg aatgaaaagt taaaaaatag tcggaggcaa ggtgcagtgg ctcatgccta 300  
 taatcccagc acaatgggag gctgaggcag gcagatcact tgaagtcagg agttcgagac 360  
 ctgctggggc aacatggcaa aaccccgtct ctactaaaaa tacaaaaatt agccaggcat 420  
 ggtgaagcac acctgtaatt ccagctactc aggaagctga ggcacgagaa tcacttgaac 480  
 ccaggaggca gaggttgcag tgagccaagg tcatgtcatt gcactccagc ctacatgatg 540  
 gaatgagatt ctatctcaaa aaaaaaaaaa aagttggaga cttaatactc atgttcaatc 600  
 gtagctagaa caactagaca aaaggtaaac aaagaaatag aagacttgaa caacaataaa 660  
 agccaccaa cctaacagac atctacagaa catttcattc 700

<210> 927  
 <211> 579  
 <212> DNA  
 <213> Homo sapiens

<400> 927  
 tgagccaagg tcatgtcatt gcactccagc ctacatgatg gaatgagatt ctatctcaaa 60  
 aaaaaaaaaa aagttggaga cttaatactc atgttcaatc gtagctagaa caactagaca 120  
 aaaggtaaac aaagaaatag aagacttgaa caacaataaa agccaccaa cctaacagac 180  
 atctacagaa catttcattc aatgacagca gaatacatat tattcttctc tgcacatgga 240  
 aatattctat agaagagaca ttgtgttagg ccacaaaaca agtctcaata aattagacaa 300  
 gattgaaatc aaacagggcc aggtgtggtg cctcacacct ggaatcccag cactttggga 360  
 ggccgagaca ggcagatcac ccgaggtcag gagttcgaga ccagcctgac caacatggtg 420  
 aaacccacc tctactaaaa atacaaaatt agctgggcgt agtgggtgcat gcctgtaatc 480  
 ccagctactc gaggggctga ggcaggagaa ttgcttgaac tcaggagggtg gaggttgcag 540  
 tgagccgaga tcacaccatt gcacttcagc ctgggcaac 579

<210> 928  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 928  
 ttgtggcaac cccaggaaat gaatagatca ggagcccaga tggagtctga gggccttatg 60  
 ttaagggtctg agtggtgaaa gtgaggctac aaaggcagag gtcagaaatg gtatcttctg 120  
 ggtggaggca ggtagaggaa aaggaatata aaaacaaatg aatggccact tcctgcaagg 180  
 caggaagacc aaggagacat gatcctcaga agtcctgccc cttctcaagg ctgcagattt 240  
 tttaggagga tatctgacca atgctgtggt cctgagctgc caggactcca agacctgctg 300  
 gaggtcttat tcatgccttt ggagactaaa tcttacagtg tggagcaagg tattgaggag 360  
 atatccgtcc attcaaggag ttagcaaata tnngccagt tcggtggtgg gaaaatggca 420  
 atggacaaat gcatgcattg tttatgtact ccagncctc ccaggccagt cggggaagac 480  
 gttacccaag cgatcattca attctatcaa cgggtggcaag tgttacgaag cacacgggga 540  
 catgagaagc tgttatggga ggttttgtgt gtgtgggttt tttttttttt tttttgagac 600  
 agtcttgctc ttgtcaccac ggctggagtg caatggcacg atcttggtt acggcaacct 660  
 ctgcctctg ggttcaagtgt attctccac ctcagcctcc 700

<210> 929  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 929  
 attctatcaa cgggtggcaag tgttacgaag cacacgggga catgagaagc tgttatggga 60  
 ggttttgtgt gtgtgggtttt tttttttttt tttttgagac agtcttgctc ttgtcaccca 120  
 ggctggagtg caatggcacg atcttggtct acggcaacct ctgcctcctg ggttcaagt 180  
 attctccac ctcagcctcc ctagtagctg ggattacaga caccgccatc atgcgtggct 240  
 cactgcaagc tctgcctccc gggttcatgc gattctcctg cctcagcctc ctgaatagct 300  
 gggactacag gcatgcgcca tcacaccggg ctaatttttt gtatttttag tagagacggg 360  
 gtttcatcat gtttagccagg atggctctga tctcctgaac tcgtgatcca cccgcctcgg 420  
 cctcccaaaa tgctgggatt acaggcgtga gccaccgtgc ctggccatgc ccagctaatt 480  
 tttgtattgt ttagagacg gggtttcacc atgtcgcca tgctggctc gaactcctga 540  
 cctcaggtga tccgtccgcc tcagccttcc aaagtgtctg gattacaggc atgagccacc 600  
 gtgcctggtc tgttatggga ggttttgacc tactcagggg agtaaggaaa atctctctgc 660  
 ctctgaggga atctgaagga ttctgaaggt tttaatcagg 700

<210> 930  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 930  
 gggtttcacc atgtcgcca tgctggctc gaactcctga cctcaggtga tccgtccgcc 60  
 tcagccttcc aaagtgtctg gattacaggc atgagccacc gtgcctggtc tgttatggga 120  
 ggttttgacc tactcagggg agtaaggaaa atctctctgc ctctgaggga atctgaagga 180  
 ttctgaaggt tttaatcagg ggggaaaaat tttttctaga cagaagggaac agcatgtata 240  
 aaggctctggg gtggggaggg ggaatgncca gtagagaga ctggagggaag ttcgatgtgg 300  
 ttacagaagt gagcagaggc caaacatgt ggaaccttat aaaccacttt ttgatgtttc 360  
 tcangatcag gncaatttcc cagntgcaag taatggntc agatctgcat tttgagatca 420  
 tcatggttgt antgaaggag agatgagagg gaacnnnaat ggaggagcag ccagtcagga 480  
 aagtgttgcc atcactcatg tgaaaaagat ggagagaagt ggggtggatta gagggagatt 540  
 taggggtaaa attgaacaga cttgggatat aggtaaatag ggtctgggga tgaggagag 600  
 ggagctgcca agtatgactc ccaggcttct ggtaggttaa ctgatgggaa gtatctcctt 660  
 cagtacagca gtgaagacag gatgtgtgga gggggaagat 700

<210> 931  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 931  
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 cttgggatat aggtaaatag ggtctgggga tgaggagag ggagctgcca agtatgactc 120  
 ccaggcttct ggtaggttaa ctgatgggaa gtatctcctt cagtacagca gtgaagacag 180  
 gatgtgtgga gggggaagat gtagggggag aacaataact ctgtgttgga catgttgcca 240  
 ttgagggtgcc tgtggacact caagtgggga tgtacactga acagtgagtt acatgaatct 300  
 ggggttcagc agtaaggata agggtaaaaga gagaaatttg tgtcacctgc gtgtaagag 360  
 aagcgtgaag tggaaagcct agacctgagt tttgaggaa ccccaacctt tactaatagg 420  
 gagaggatgc tgaagaagct tgagcagagg tggccagaaa ggatgagggg aaaccaaggg 480  
 aaatcagtggt tccagagggg ctgtgggtcat cgctgggtgt cagacactgc tcagggccct 540  
 ggcagatgag gtctgaagaa cagccgttga aattggagat tggaggctac agtttattga 600

gacctgggttt ggtgctgtta gggagctaga aggctgactg cagggcctga agagtgggag 660  
 agacagctcc tttagggcct gaagagtggg agagatgtga 700

<210> 932  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 932  
 ctgtgggtcat cgctgggtgt cagacactgc tcagggccct ggcagatgag gtctgaagaa 60  
 cagccgttga aattggagat tggaggctac agtttattga gacctgggtt ggtgctgtta 120  
 gggagctaga aggctgactg cagggcctga agagtgggag agacagctcc tttagggcct 180  
 gaagagtggg agagatgtga ggatggggag acagctcttt caagaaattc cgctgcggtt 240  
 gagaacagag acactcagtg gggtcgaatg aggggtttgt tcccatagta gaggcttgaa 300  
 cacatttaca ggccaatggg aaagatccag ttgagagcgg gtagttgagc cttcaggaga 360  
 gaaaagggat gttccatggg gcaaactcct gagaaggggg aggagatgga aggaagcttc 420  
 tgtggatgta gcagatgcag gaggggtttgt gtagttttag ccgggctcga gccgggtggct 480  
 gacgcaggca ggaacaatgg ctcacccatg ttttatgtgt atttccgtgt gcgtgctcct 540  
 gctttcccca ggtctgggcc gcctgcctgg cccgtgtgcc gtagggaata tccacactgg 600  
 gcctgggcgg aggctgggca tctcccgtc tgggcttgct ccctgatgag attctcagac 660  
 cgtgcttccc ctcattcatg agangaaggt tcacagagca 700

<210> 933  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 933  
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 gcctgcctgg cccgtgtgcc gtagggaata tccacactgg gcctgggcgg aggctgggca 120  
 tctcccgtc tgggcttgct ccctgatgag attctcagac cgtgcttccc ctcattcatg 180  
 agangaaggt tcacagagca ggctgggaa cctgcctggc cgccagggcc tcctcccgt 240  
 caggctgagg tttgctgcat ctctgtcctt attcccttcc agactggatt ggctgaacca 300  
 ggtgtccact ctttttggcc catggcataa agaagggttt gggcaacca gtgtgcccc 360  
 ggttggttacc gccccccgc ctcgcccc acccagcctt tgatgggccc cttctcatc 420  
 aatccatcac ccctgcacat gccaccagga ctgcctggac cagagcccg gactctctga 480  
 aacccactga gagctcggcc ctgggaatgg gcctcccaat ctcggtctcc agggggtggg 540  
 ccccaggctc ctagtcttcc tcagggtctt ctccactgtt ctgcctctc tcctgatacc 600  
 cagttcctag ccggggtgac cccagcctcc cgtaacagcc tccttggtgt ggtgctggga 660  
 agaagggggc cgtgtaccgc gcaggggccc ccaggcaatg 700

<210> 934  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 934  
 ctgggaatgg gcctcccaat ctcgggtctcc agggggtggg ccccaggctc ctagtcttcc 60  
 tcagggtctt ctccactgtt ctgcctctc tcctgatacc cagttcctag ccggggtgac 120

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cccagcctcc cgtaacagcc tccttgtggt ggtgctggga agaagggggcc cgtgtacccg 180
gcaggggcccc ccaggcaatg ggcatgagcg caggcaggga aatccgtcag cctccaggga 240
cgctctccct acagccccgg cgaggggatc ggtcgtggc gacctctcca gacgcccagg 300
ggctgggcag gagggcgggc caaggcccg cagggtgggg gccaaagcca ggcgggcgcg 360
gagtacgtgc ggtgggctgc gggcgcatg aaggcgcgcg gcgccagct ccggctccgg 420
ctccggctcc ggctcccgcg aggcgggta gcctgggcgt tcccaggggt cgcagaggat 480
ggcgaacccc ggcgagacca ccgagctgg ggaccaggac gcaggcaggc gtgtggagcg 540
tgaggtgggg acgtggcggc ggctcaagtg ggcgagccc cggcagcggc cggaggcgga 600
gtcgccaagg gagggagcgc cgagctgacc gggcgacgcc gcgggaggtt ctggaacgc 660
cgggagctgc gagtgtccag gtgagcgccc cgcccgtca 700

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<210> 935
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 935
ccggagctgg ggaccaggac gcaggcaggc gtgtggagcg tgaggtgggg acgtggcggc 60
ggctcaagtg ggcggagccc cggcagcggc cggaggcgga gtcgccaagg gaggagcgcg 120
cgactgacc gggcgacgcc gcgggaggtt ctggaaacgc cgggagctgc gagtgtccag 180
gtgagcgccc cgcccgtca gccgccagat caaccttagc gctggggcgc gggctggggt 240
cgccaggcgg tgcgttctgc ccgcgcgggg ctgagagtta ggggcccggg ccggatccgg 300
ggccgggggt cgcgcgccta gccgccagca gcgcagtcg ggccgccacc ctgcaccctc 360
cgccctgttt ctgcaccctg ctgggttctt gtgcgcgcgc ccgcaagcct tcccgagctc 420
aggggtggtga ggtcagcggc gcccttcgtg cagttccctc ggctgtcggg cggggctggg 480
aacttgcccg ctcttccctg tcaggctccc gggaagtggc ggccctgacc cgggctgccg 540
gctgttggga gcgggggcgc ggcgtccgcc tggccctgag gggcctcttc atattggcta 600
agcccgttct gcaccctccc aagggtctgg agtccctagg cttgtccggg cagggtccag 660
cttgagagccc attagatggg ccattggatc agaaagtctt 700

```

```

<210> 936
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 936
tcaggctccc gggaagtggc ggccctgacc cgggctgccg gctgttggga gcgggggcgc 60
ggcgtccgcc tggccctgag gggcctcttc atattggcta agcccgttct gcaccctccc 120
aagggctggg agtccctagg cttgtccggg cagggtccag cttggagccc attagatggg 180
ccattggatc agaaagtctt ttctcccca gacatccttg tggaaccagc gttgtttttc 240
cttggcagct gcggagacc gtgataatc gttaactaat tcaacaaacg ggacccttct 300
gtgtgccaga aaccgcaagc agttgctaac ccagtgggac aggcggattg gaagagcggg 360
aaggtcctgg ccagagcag tgtggtgagc gctgtgctgg aagggaatgc gggcagtggg 420
tacttggtag agcactgact gcctccggcc agaggacttc ccggaggagg tgaccatga 480
gctggagtgg tcagaggaag gctggcaaaa gggcatcgtg gacagaggaa cagcctatgt 540
gagtgnagc agagaccttg gccaatgcca ttccttatgg ccttgtagtg gaagcaagg 600
gatggggaag gaacactgta ggggatagct gtccacggac gctgtctaca agaccctgga 660
gtgagataac gtgcctggta ctgtgcctg catgtgtaag 700

```

```

<210> 937
<211> 700
<212> DNA
<213> Homo sapiens

```



<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 937  
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 gccaatgcc ttccttatgg ccttgtagtg gaagcaaggt gatggggaag gaacactgta 120  
 ggggatagct gtccacggac gctgtctaca agaccctgga gtgagataac gtgcctggta 180  
 ctgtgccctg catgtgtaag atgccagtt gaccttcgca gcaggagcct ggatcagggc 240  
 acttcctgcc tcaggtattg ctggacagcc caggtgggtc cctggccttt gtattctatt 300  
 tgacttttaag atggtgcagg agaatacaaa aaactatccg ggcatggtgg cgcgcgctg 360  
 tagtcccagc tactcgggag gctaaggcag gagaatcgct tgaacctggg aggcagaggt 420  
 tgcagtgagc caagatcgtg ccactgcact ccagcctggg agacagagcg agactccatc 480  
 ttaaaaaaaaa aataaaaaag agagatggtg caggagagca ttgggatccc tccaagact 540  
 gtgactgttg tcttttgctg tagagtgaca cccgagattt gtgcttcttg ataatagact 600  
 acctggggcc tcacagcccc agccctcttg taggaaatcc tgcctaaga ncaagggtg 660  
 gagtccgtta cgttgtagct tggggcattc ttaaattgtcc 700

<210> 938  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 938  
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 agccctcttg taggaaatcc tgcctaaga ncaagggtg gagtccgtta cgttgtagct 180  
 tggggcattc ttaaattgtcc cagactttgt ggagatccat tgtccaccta agaatttata 240  
 ggatgttttt ggggtctgct gcttgttctc agcctgtgtc tcatctgaca ttaggttcca 300  
 taatttagtc tctgttaaat gaactaggat ttctttggc ttgtacttaa actgcccctg 360  
 aggtgtccaa ggtgcagcct ctactgtgg ttctgggct cagcgcccag tctctctggt 420  
 tgcttctccc cactcacaga atgtttggtc tttgaattct tttcttttag ggctccttg 480  
 ttcttacaca gccgagtgtc cactgtgtgg cccagccaat gaagccacgt agcaaggatg 540  
 gagtgagttg gctgggggcc tcatcccaa gatgctgtca tactggatca ccctagttct 600  
 ctgagagctc agcaggcaga cttggtgaca gcttagctga ggcattgtct gtggcatgtg 660  
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<210> 939  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 939  
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 tcatcccaa gatgctgtca tactggatca ccctagttct ctgagagctc agcaggcaga 120  
 cttggtgaca gcttagctga ggcattgtct gtggcatgtg ataggccctt gtatcctgtc 180  
 gaaagctctg cattggggta ctctagacag tgcttactta gtcaccggtt tagactggcc 240  
 ccagctgata tcagttcata ccttgagtgc cttctgcctg tttggcttct gactggagcg 300

```

tgccctggggc tagaatgagg gacgagagag aggaggtggc ngaggcaacta ttcttgccctg 360
tgggtagctc gtactctgag attgctgctt catattggca gctggccatg tgccagggga 420
ggagcccggc tgtgagtgct catcaaagga agagactacg tgggtgcagc tctgaggaat 480
gagtcgggttg agggaatcta ggggtctcctc atttcctaag aaggcctccc tttttcactc 540
tgccctccca catccttggg aggggtctgag actggaagca aggccttggc tgatgtgtgg 600
ccacgctggc tgatagtgtg cagagggcta ggaggtgtgt ccctggctcc tggggtctgt 660
caagagttta ctattatgca gatggaagtt ggcaggaaaa 700

```

```

<210> 940
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 940
gggtctcctc atttcctaag aaggcctccc tttttcactc tgccctccca catccttggg 60
aggggtctgag actggaagca aggccttggc tgatgtgtgg ccacgctggc tgatagtgtg 120
cagagggcta ggaggtgtgt ccctggctcc tggggtctgt caagagttta ctattatgca 180
gatggaagtt ggcaggaaaa gctgtgatgc aagtacatgc aagcccagca gagtgtctgga 240
gtgagagtta aacttcggga aagttgctca catctagcaa tttggacatt tgaagttcct 300
tagggtaaga catcagcctg tcctagagca aagagggctg gaaggctcctg tgggtctgtgg 360
gctttgtgtt acggacatgg aatgagagat agaaagacag tttttttttt tttttttttt 420
tcctcanagc agagganaat gaaaagtctg gatgatttac tggagcccta naananagtt 480
cttgctcagc tgggtgtcatt gcagggcana ggattaagtg tttgggtaga gtgctctcca 540
gctcagatgg aatctatctg agcctggtaa caggccagca tctgctctgg accttcagg 600
aagtgtctgc ttagagtgtg gcctgttttg tacctggcac tctgagggcc aggggtgtagt 660
ggagatcctc aggcctgggt acttgttaga gcctggaatg 700

```

```

<210> 941
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 941
gcagggcana ggattaagtg tttgggtaga gtgctctcca gctcagatgg aatctatctg 60
agcctggtaa caggccagca tctgctctgg accttcagg aagtgtctgc ttagagtgtg 120
gcctgttttg tacctggcac tctgagggcc aggggtgtagt ggagatcctc aggcctgggt 180
acttgttaga gcctggaatg agcaggtcag aggcataata gtacatgagt tcctagagta 240
ttggtccaat cccccgcct tttgctagag aacattgctt gatgagcttt agagccagtg 300
attgaccagt tccagggtta tcccctgatg atcaatgtac tacattatac ctgattccag 360
tctctcctga attaaatgtt tcatttcttg tgggtgtcct ggaacatgga gatcgcccaa 420
tttctgcctt gtttgcattt tcaactgttc ctagtctgga ccttctttct caccaggaa 480
tcagctgact tgggctgggc agctggctgc ctcaggtcca ctgatgtttc tctggtgccc 540
ttggtactaa tgattgacat aaattatgcc tagtgcaggg ctacctgcca acatctgtca 600
tcacattcag tcctccaaca gccctatgag atataggtec tagtattgtc tctattatat 660
acatggggaa actgaggaat cctataactt gtccaaggtc 700

```

```

<210> 942
<211> 700
<212> DNA

```

&lt;213&gt; Homo sapiens

&lt;400&gt; 942

```

agctggctgc ctcaggtcca ctgatgtttc tctggtgccc ttggtactaa tgattgacat 60
aaattatgcc tagtgcaggg ctacctgcca acatctgtca tcacattcag tcctccaaca 120
gccctatgag atataggtcc tagtattgtc tctattatat acatggggaa actgaggaat 180
cctataactt gtccaaggtc acaaagccgg gaagtgggtat agaattgggg ttttaactctt 240
agtatgtctg accctagggc aggtgtgcct gtccatttga ctgtactgcc ttgccctgag 300
ctggactggc tggttatattg tgagtgtctg catgtctaag gtaggagtga ctgccccatct 360
gaacttaagg gaccatgttg ctgttttctg ggtccatgtt gcgttcctcc ctctggtgag 420
atccagccag gcgtgtcatg gacctgcttt atgaaccttt ggtgtaacct atgataaagt 480
ccttaacctg ggcaggcatg ttcttcctgg gcaaagtgtg gcttccctgt ttgggagtc 540
attgcacttt aaggtaacag attattgagt aggactggat agctgcaata tctagcagag 600
tgtgttttgg gtttgactct tggttctgtc attgatttgc tgtcagatgt cagatatgta 660
ggaaaccttc tctcagcctc agctgtttgt catttgtatc 700

```

&lt;210&gt; 943

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 943

```

ttcttcctgg gcaaagtgtg gcttccctgt ttgggagtc attgcacttt aaggtaacag 60
attattgagt aggactggat agctgcaata tctagcagag tgtgttttgg gtttgactct 120
tggttctgtc attgatttgc tgtcagatgt cagatatgta ggaaaccttc tctcagcctc 180
agctgtttgt catttgtatc tatcttatat ctgaaatgga ggtagttatc tagcttagaa 240
ggtttgggtg agaattagat agtagaaatg aaagattttt ggaaacaaat agtgcttatc 300
tcagactatg ttcccaggaa acagcctgag acagagctta agtacttaat gctttattgg 360
aaggtgtaat tgcagggcag ccagggtgag ggaaaacaaa agtgaggtgc aggcctgtgc 420
gatggctcat gcctataatc ccagcacttt gggaggtcga gatggatgga ttgcctgagg 480
tcaggagttt aagaccagct ggccaatatg gtgaaacccc atctctacta aaaatacaaa 540
aattagctgg gcatggtggc acacacctgt agtccaagct actcaggagg ctgaggcagg 600
agaatccctt gaacctggga agtggaggtt gcattgagcc aatattgtgc cactgcactc 660
cagcctgggc gacagagcga gactgtctca aaaaaacaaa 700

```

&lt;210&gt; 944

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 944

```

ggccaatatg gtgaaacccc atctctacta aaaatacaaa aattagctgg gcatggtggc 60
acacacctgt agtccaagct actcaggagg ctgaggcagg agaatccctt gaacctggga 120
agtggaggtt gcattgagcc aatattgtgc cactgcactc cagcctgggc gacagagcga 180
gactgtctca aaaaaacaaa agaaaaaagt gaggtataaa ggaggatggg aggtggtggt 240
ttagcaagct ggctactctg cacagagatg tacttgggta ccctatgagg gccctttggg 300
agccactggg gaggccagtc tgggtacttca acagagtctg gagatagtga gaggagccag 360
agattctggc gtgggcctgg atagtctcct ccactgggct gaggcaaagt aaataccctg 420
ggacctggga gatgggtgag accaagaggt tgcaaggtgg gacgtaagat gcatccaata 480
tagtgggtata tggattttat cctcaagtgt agttcccttt tgtgggttag tctcatccag 540
actgccaaagt ctctgccaaag actatgactg aaaacccaac ttggcctttt catgtcagtt 600
ttaacagcct tctctgctac ttcattgtct agttactgaa gcaagacttt gtggtggtga 660
tggtacccag gtggggaagt ggaagtcacac cactattcat 700

```

&lt;210&gt; 945

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 945

```

cctcaagtgt agttcccttt tgtgggttag tctcatccag actgccaagt ctctgccaag 60
actatgactg aaaacccaac ttggcctttt catgtcagtt ttaacagcct tctctgctac 120
ttcattgtct agttactgaa gcaagacttt gtggtggtga tggtagccag gtggggaagt 180
ggaagtcaac cactattcat gtaccagact gagaaagtat gtggatagat acagataaac 240
atcttggttt tattaggttc ttcgtgaagg agaataatatt ttcacataaa gtagttgttg 300
aagatacgaa acctggcatg gtgagatgag gctagagagg gcagtagggc ctggtcacac 360
actcaaaagg acccttttggg cttaaagagtt tgaactttat cttgacggca gtagagagcc 420
aaaggagggc tttgataaac catgctggct actttgtaga gcagagggtg gaggaaggcc 480
agatgacatg tggagaggcc agtgtagtgg gggccaggat gcctgtaggg gaagttaggg 540
gtggctcaga tcagggtgat gactgaggct aaggagagta gggtagcccc catacttgcc 600
taggggtgcc tggcagcagc ttataggcct gaatggacat ccatgtgctt tggtagcagg 660
gtctcctgga gcctctggat cctcttaggc tgaacacaca 700

```

&lt;210&gt; 946

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 946

```

agtgtagtgg gggccaggat gcctgtaggg gaagttaggg gtggctcaga tcagggtgat 60
gactgaggct aaggagagta gggtagcccc catacttgcc taggggtgcc tggcagcagc 120
ttataggcct gaatggacat ccatgtgctt tggtagcagg gtctcctgga gcctctggat 180
cctcttaggc tgaacacaca ggctcctttc gccctgttat cctagagttg gaggcagcgg 240
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ccaagcaaga ccagtttggt ctcagcaagc tcatgttctg tctctaggct gttaaataca 360
ttgttaaaac tcaggctggt gcatttgggt tgcagctggg agcttggcag agattctgcc 420
tgatgaggta aggagagaag ctaaggacgc tgcgtggttg cagctggaaa catcttttca 480
tggccatttg gccagattgt aaatgtcttt tccaaagttc aggtttggtg ggacctctgg 540
ttgtatgtct tgggaattgcc ctgtgttttag aaacagtgcc agtcgcctga tgggtgaatc 600
actgttgctg ggatgttggc aggttttgca ggactttcct gtgggggtcc aaacactagg 660
gctggcaggg cccgttttga gtctgtttga gaagggcctg 700

```

&lt;210&gt; 947

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 947

```

aaatgtcttt tccaaagttc aggtttggtg ggacctctgg ttgtatgtct tgggaattgcc 60
ctgtgttttag aaacagtgcc agtcgcctga tgggtgaatc actgttgctg ggatgttggc 120
aggttttgca ggactttcct gtgggggtcc aaacactagg gctggcaggg cccgttttga 180
gtctgtttga gaagggcctg ctttgttttc tttacatttt aagcatatga taaaataatt 240
ttaaaaattg ctatagaatt tctttagaga agattagaga aacaagcata aaaataaaaa 300
gaaattatatt caccaagata tagccagatg tatgactcct ttcttgcatc tctctatata 360
cacatatata ttaatttttc cttacaaaaa tgggaattata gagtgcata ttttggggcc 420
cacttttctc acttaacagt atgcttagat ctcttcatgt tgatatatag tattcatttt 480
taatatatact cataaaaact cattgtatag aagaaatgta aaatcttcta ttgtttagt 540
ttcctaattt gaacaagtct gtggtgaagt attttttggt gtgttcctgg tatgggacag 600
acattgttct aaactctggg gatgcagcac agataaaaact cagtattggg tttctgctca 660
agatgtcact ttgtttttca taaaagtggg tttgacattg 700

```

&lt;210&gt; 948

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 948

```

cattgtatag aagaaatgta aaatcttcta ttgtttagt ttctaattt gaacaagtct 60

```

```

gtggtgaagt attttttgtt gtgttcctgg tatgggacag acattgttct aaactctggg 120
gatgcagcac agataaaact cagtattggg tttctgctca agatgtcact ttgtttttca 180
taaaagtggg tttgacattg ttcacctcca gacttattcc agttggattc tgagggtttc 240
tgggagggct tttagcagca ctggacactt tgtaggggca ctcagcaggc acacatactt 300
tcacctactc tgtcttaagc aagctgtggg catagttaat agatgggttg gaggttggcc 360
tttcccacat tgtggggcac agtccctctc ggatgctgcc tcctcccaat ctgactctaa 420
ttagaggact ttttgtacag agccttttga gtttaagggc ccaggcttgg gagaaatggg 480
gtagggtctc agagtacccc tgccagagat gtcagtgttg atgtggtagt ctgggagctg 540
ctgcttggag gtgcccagct ctccaggcta gcagagttag ttatcccctt cccccaccag 600
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gctctgcccc aaccccatct gtgattcttt gaggctctgc 700

```

```

<210> 949
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 949
tgccagagat gtcagtgttg atgtggtagt ctgggagctg ctgcttggag gtgcccagct 60
ctccaggcta gcagagttag ttatcccctt cccccaccag agcaagactt tgcaggctct 120
tggtaggtaa gtcactgtga attacctgtg attcttttag gctctgcccc aaccccatct 180
gtgattcttt gaggtctctg ccaaacccta tctgtgattc tttgaggctc tgctccagg 240
ctgagattca agaatgggct cagtctaagc cagatcgac attccagaga aatcacagct 300
gggtattcatg taatgaagaa acctggcttt ccctgagtgt tgtgaggtag gaaccgtaga 360
tgataggagc agaatgattt gaaaggaatg gacagacttc ctccctggaa tttatctggc 420
ctctaaaaag gtatgcaact gcaactggag acacacctgg gtagagatgc tgggttcccc 480
acttccaacc atgtctgggt tggaaacctgc ctgggcccctg ttctcccacc accccagctc 540
tgaggagcag tcagctggtc cctttctgat cacagataca tcctcccagc tctatgtttt 600
cactgtcccc tccctacata catacagaag gtgctgagcc tgagccagtc aagccttttg 660
aggaacaaga aacagacacc caatccctta ggtataaggg 700

```

```

<210> 950
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 950
tggaaacctgc ctgggcccctg ttctcccacc accccagctc tgaggagcag tcagctggtc 60
cctttctgat cacagataca tcctcccagc tctatgtttt cactgtcccc tccctacata 120
catacagaag gtgctgagcc tgagccagtc aagccttttg aggaacaaga aacagacacc 180
caatccctta ggtataaggg gcttgtgtaa gcaagagaga agccttctga aatcctggga 240
tagagaagac agtatagtaa ggccttggag cagacctgtg gctagaacca ggagggcctg 300
gactctgcct cagggcaagc ccaggcttac tcactttctc ttgatgactt gntctcttct 360
gctgctctaa ctccctaattg gacccttag cacaatacgc cctaccctgc agcaggttcc 420
aggttggaa gataattgtcc tgtgtgtctt gggaccccca cacctagact atgacaggaa 480
gactgtcagc tctgcagaca tttggcatag gcatgaacac atggcgccat tcacttatgc 540
tttccttctg atagaggatc catttgaga tgggagttgt ggttggcctt ctctgagcct 600
aacctggaat ctcaatggat taggatttct tctgaaagag taagatgagg aatggtgggt 660
gtgctgtgtg tctaatacaag tatggcgggc aaaaaactga 700

```

```

<210> 951
<211> 700
<212> DNA
<213> Homo sapiens

```

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 951

```

tttggcatag gcatgaacac atggcgccat tcacttatgc tttccttctg atagaggatc 60
catttgcaga tgggagttgt ggttggcctt ctctgagcct aacctggaat ctcaatggat 120
taggatttct tctgaaagag taagatgagg aatggtgggt gtgctgtgtg tctaatacaag 180
tatggcgggc aaaaaactga tgaactggca ttatcttaga cttagaattc tgtcagataa 240
ggcttatgtt tttttgggaa agcatttcta tttcctttgt tttgcttgct ttgtcttagt 300
gaatttccat ttgagcactc cagtgggggt ctcaaaagca nggcaggaag aagaccggca 360
gagctggggg acagatgggt gctaatactc cagcacagtc taggctgcat ggctgagctg 420
ggagacggta tcggaggcct ctgttgtgga ctgaggttta ctgccagtgg ggtttgtctc 480
aggttgtgcc tatttctggg ctgatgagaa gacagtagct ggcccccttc ccatgtcagc 540
agcccagcct gaggttttgg ccatgtgtgc catattcatt tttgtatcct gagtgcctag 600
atcagtgcct ggcatctgca ggtcttcagt aaatatattgt gaatgaatgg tgacggggcca 660
gtgagaacag tgtctgccaa ggagccttac tacaggaaga 700

```

&lt;210&gt; 952

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 952

```

ctgatgagaa gacagtagct ggcccccttc ccatgtcagc agcccagcct gaggttttgg 60
ccatgtgtgc catattcatt tttgtatcct gagtgcctag atcagtgcct ggcatctgca 120
ggtcttcagt aaatatattgt gaatgaatgg tgacggggcca gtgagaacag tgtctgccaa 180
ggagccttac tacaggaaga acactgtcta cctaggagac tgtctcctct gactgctctt 240
tctctggcag gtgcagactg acaagggtta gttttattcc tcttctggct ggccatctgt 300
tgtacacctt agtttgggtg ttggtactct ggaggatatt gtgtcaaatt atctttctgt 360
tattgtctct catgtactgt tgctccttg tgggcaggga ctggttcccc aaaacctggc 420
actgtcctgg catatgtgtt ggaaggtaag atagaaacaa acagcagtct gtgaaataag 480
aaggagtggg ccagaatctt ggactgacag accattggaa cccgagctga ctgtacccca 540
ctgcgattcc gccttctcat ggtacagggt gttgctggga gttgagagga tgggctctct 600
ccgcagggca cgtgacttcc cagagcaggg accagaattg agcacacatc actggctgca 660
cgctctttgt tctttctgct gtttgtcctt tttagcttct 700

```

&lt;210&gt; 953

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 953

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ggactgacag accattggaa cccgagctga ctgtacccca ctgcgattcc gccttctcat 60
ggtacagggt gttgctggga gttgagagga tgggctctct ccgcagggca cgtgacttcc 120
cagagcaggg accagaattg agcacacatc actggctgca cgctctttgt tctttctgct 180
gtttgtcctt tttagcttct gtgtgctagg ccaggatttt gatatgtttg attatctgca 240
tatgtgtgta catgcctatg tgtctcctca cctaaattag tctttttcac tttnttgatc 300
cagtgtattgt cattgaatgc ctttcagaca cttccctctg tgaccatgaa actctgggtg 360
tctgcattgc tgatggcctg gtttgggtgc ctgagctgtg tgcaggccga attcttcacc 420
tctattggta cgtgccaaca ggactgtcgt ctccctgaca ccttgntca catgccacgg 480
atgtctctgg ctgcagcctg ttctcattha gagtgggata gccttaacta ctgggttttg 540
ccagttctga ggagagtgga actggcagag ttgctgtttt cccctataag atcccaatga 600

```

```
tctggatgtt cagggagcca gatgtctgaa ttgggtcttt cttcctggga agtgcaggct 660
gcacttgggc tctctggtct ttttgaccac cttgcccattg 700
```

```
<210> 954
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
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```
<400> 954
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actggcagag ttgctgtttt cccctataag atcccaatga tctggatgtt cagggagcca 120
gatgtctgaa ttgggtcttt cttcctggga agtgcaggct gcacttgggc tctctggtct 180
ttttgaccac cttgcccattg gaccagagag tgggtctgag cagcaaatac tttgtatcct 240
gaggatcaag cttttccctat ccttccgacc taaagtccag agctttttat cctgtggtga 300
gccccagga tatccatgcc ccagtgtcat gaccagctat gtaacagtcg gagaatgaga 360
tttagggctg cttcttgagt gacatccagt gcacttatct caaacatccc cttggtgcct 420
ctgcctcttt cttcctgaag ttgcgagata gagcccatg agtgccagg ccccccttaa 480
ctccaagtcc ccataatccn cagagagctg acatgttctt atcccagggg acttgcttct 540
gtgctgggtat tcnnngcccc aaggaaggag gctggacatc cctcatctgt ttctcactgg 600
tgtctttctt ctctcccttg cagggcacat gactgacctg atttatgcag agaaagagct 660
ggtgcagtct ctgaaagagt acatccttgt ggaggaagcc 700
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```
<210> 955
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
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<400> 955
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aaggaaggag gctggacatc cctcatctgt ttctcactgg tgtctttctt ctctcccttg 120
cagggcacat gactgacctg atttatgcag agaaagagct ggtgcagtct ctgaaagagt 180
acatccttgt ggaggaagcc aagctttcca agattaagag gtgtcctaag tccccancca 240
tccttagttg gccttccttc cttctgccc ctcaaggaac aaggaagcca tccagngtgc 300
ctataagagg aaacctttga gaggntgatg tggggctggc ctggtnnctt catgccagtg 360
cttgagagga gctaagtaca tgggctaagg agtcaactgt tattttntat ttaagacctn 420
ttcccttaca ttgggggtcc cagctgttat ctagattaag gggctagaag tatctgtggg 480
gagttactgt attcattttt cattgcctct tgatgaaaag ggccccagaa cctggcacca 540
gggaattctc actaggaaaa ttgtcacagg tcaagaccta tgtgggtgga cgcattagtc 600
ttccttttcc tctggttcca cagctgggcc aacaaaatgg aagccttgac tagcaagtca 660
gctgctgatg ctgagggcta cctggctcac cctgtgaatg 700
```

```
<210> 956
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 956
cattgcctct tgatgaaaag ggccccagaa cctggcacca gggaattctc actaggaaaa 60
ttgtcacagg tcaagaccta tgtgggtgga cgcattagtc ttccttttcc tctggttcca 120
```

```

cagctggggcc aacaaaatgg aagccttgac tagcaagtca gctgctgatg ctgagggcta 180
cctgggtcac cctgtgaatg cctacaaact ggtgaagcgg ctaaacacag actggcctgc 240
gctggaggac cttgtcctgc aggactcagc tgcagggtgag ggacggtgag cagggtgcttg 300
agtgagccca tatgtttgtg tgctcatgcc tgggttggtg tgtctgagcc tgtcttgggt 360
ctgggtggtg gtgggcaagt acatttggtg aacaggaccc tgctggtctc atggctctct 420
cccttctctg tggggacctg gaagttggct ggccttggtt ttaacatgt aatgatgttc 480
agttcttttt ttagcgtctt ttttttagtg tctgtctttt cttatttttt gctaattgaca 540
tttttccaat tatacttttag tgatacatgt ttatagaaaa gtcggaaaac acaaaaacaa 600
gagaattata attcttaatc cagttgcccc gtggtgagca ttattaaaaat tgtagttttt 660
ctacctatgc atatacatat aaaaaatgga actatacata 700

```

```

<210> 957
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 957
tttttttagtg tctgtctttt cttatttttt gctaattgaca tttttccaat tatacttttag 60
tgatacatgt ttatagaaaa gtcggaaaac acaaaaacaa gagaattata attcttaatc 120
cagttgcccc gtggtgagca ttattaaaaat tgtagttttt ctacctatgc atatacatat 180
aaaaaatgga actatacata cataccaggg catgcaaact cagttgcttg gagggacaat 240
gaatttacia gtgtcaagtg ggctggatgg tggggccagg gcaagttggg gagcatagg 300
ctgatctaaa ttcatctcta ttcatatgtt ttacaaacaa agcatatctg ttggtagatt 360
tgtgacagaa gaaaaaatc tgtgaatttc tcagcttctt tatatgccat tcaatgttct 420
tctgcaacat gatttttaatg gctggatggg gattacctgt cagatgggtg taatctgtca 480
tactgataat actgtcaaat ggggtcaagtc attggatatg ggattttttt tgaattatca 540
gcaccttttt acatatctct tgggtgtatac ttctgattac ttttttaggg taagttccta 600
gaagtatat taccgatgag agtgtgaact ttttaaaagc tttaaactat acttgggtgct 660
tttattgtga taatactttt tatgccctaa tacttttctg 700

```

```

<210> 958
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 958
gggtcaagtc attggatatg ggattttttt tgaattatca gcaccttttt acatatctct 60
tggtgtatac ttctgattac ttttttaggg taagttccta gaagtatat taccgatgag 120
agtgtgaact ttttaaaagc tttaaactat acttgggtgct tttattgtga taatactttt 180
tatgccctaa tacttttctg tcaataagaa gagatggtac ggtgggcctg gaggtgggct 240
ctcctaactc ctagccctgg gtttagtccc ctggactcac tgactttttt tttttttttt 300
ttttttttga gactgagtct cactctgtca ccaggctgga gtgtagtggc gggatctcgg 360
ctcactgcaa cctctgcctc cgggttcaag caattcttct gcctcagcct cctgactagc 420
tgggactata ggcacatgcc accatgcccc gctaattttt ttttgggtatt ttttagtagag 480
acagggtttc accatgttgg ctaggatgtt cttgatctct tgacctcgtg atccacccat 540
ctccacctcc caaagtgtcg ggattacagg tgtgagccac catgcccgtc gccttttttt 600
tttttttttt ttttttnnnn nnnnnaaggg acagggtctc nctatnttan cctanactgg 660
agtgcagngg ctattcacag gtgcgattgt agcacactgc 700

```

```

<210> 959
<211> 700
<212> DNA
<213> Homo sapiens

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<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 959  
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 ggattacagg tgtgagccac catgcccgtc gccttttttt tttttttttt ttttttnnnn 120  
 nnnnnaaggg acaggggtctc nctatnttan cctanactgg agtgcagngg ctattcacag 180  
 gtgcgattgt agcacactgc aaccttggac tncctggcctc acgtgatcct cctgcctcag 240  
 cctcctgagt agctgggact ataggcacag tgccattgta cccagctntt cactgcctnt 300  
 tttccntgag ctgngagtgc tgattaactt canactagct gtctctcttg ctganacatt 360  
 ttancccatg tggccanact ggggtggggc tgggggcagg gtggcctctg ganagggatt 420  
 ggtgagctca nccaggtcgg agctgtgccc agtgagctca ctgcctccan aaaccacggn 480  
 tgccctttccc anactcccgc ctntccgcct gggcctgcag ctcgggacag gctgttctgc 540  
 ctgcacggna ggagactaag cctaccaga tgacctctc tctccaatct tgttctcaca 600  
 ccctacactc caccatcatn tggttccttt ggaaaacctn ntgattacct ggaaggagat 660  
 agggcaggcc cagagaataa ttggtngnnt tcatctctga 700

<210> 960  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 960  
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 cctaccaga tgacctctc tctccaatct tgttctcaca ccctacactc caccatcatn 120  
 tggttccttt ggaaaacctn ntgattacct ggaaggagat agggcaggcc cagagaataa 180  
 ttggtngnnt tcatctctga ctttgagttc ttgcccctga aacgagcagg gcatgctgac 240  
 agtgtggctt ttcctggcag catgttcccc tactcccacc ccaccagatt ntaaactctt 300  
 tagagtccct gaccatgtag ctatgaagac aaggaaggca gggttacagc ttcttgggtcc 360  
 ctgtccccag ttatggctga agtggatggt taggtctgaa gtcataagggt gcagtggata 420  
 cagctactct tgggaagagg ttgggaagg aatggccttg ttgttcccct ctcacttctc 480  
 agcttagagg cagaattgaa ggccctaagt cagcctggga aggcttggct cccacctggg 540  
 attgtaggag gtacacatct tactttacag ctagggtctg gagtcccaga aaagcctcct 600  
 tggagtactt ctgtgggtcaa aagctctccc acgcttcagg ctgtgggtctt gagcaccata 660  
 actggagagc ccatgccctg aactcattga aggtctgagt 700

<210> 961  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 961  
 ggccctaagt cagcctggga aggcttggct cccacctggg attgtaggag gtacacatct 60  
 tactttacag ctagggtctg gagtcccaga aaagcctcct tggagtactt ctgtgggtcaa 120  
 aagctctccc acgcttcagg ctgtgggtctt gagcaccata actggagagc ccatgccctg 180  
 aactcattga aggtctgagt ggtgggagta cagaggagaa cagncccacc gtgggtctctt 240  
 aggggacgga ccttgctggg ttggtgcaac cccaccttgg tccttggcct gtctaggtgg 300

```

tccttcagct gtcaacctag ggggaggggg atgacttcca ggactttcat catcaccttt 360
ctggatgata agtgccagtg gtcagtaatg agtggccagc tcggcttcat tagttaactg 420
tcattgtccc ttggactcct caacttgaaa tgtgtgctgg aagtctgtgt ttacctgact 480
agcccaatta ccctggatca aggttttcca tgggatttat tttccactga gtgggtgaca 540
gttcttctctg agtcctctcc cgtgctcttc tcagttaccc tctctatcct ctgtttcttc 600
tgtctccacc agctctgact gaatgatttg gagccaagac ttctggactc ctaaataatta 660
accaatatgg ggggctgctt ctacttagtt ccaaagagca 700

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<210> 962

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 962

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aggttttcca tgggatttat tttccactga gtgggtgaca gttcttctctg agtcctctcc 60
cgtgctcttc tcagttaccc tctctatcct ctgtttcttc tgtctccacc agctctgact 120
gaatgatttg gagccaagac ttctggactc ctaaataatta accaatatgg ggggctgctt 180
ctacttagtt ccaaagagca acacaggcag taggtatggt gaggagtaag aaaggaaaag 240
tccccataga ctggagtcac cagggacaac ttctggtggg aaggggggcaa cagcctttga 300
ggggagggggc ggggaaattt cactagccag agaccctctt tgtggctgcc tctctggtcc 360
caagtggaat tctgccccctg gatcaagggt aatctcttgt tctgactctc atttggaagg 420
ttttatcgcc aacctctctg tgcagcggca gttcttcccc actgatgagg acgagatagg 480
agctgccaaa gccctgatga gacttcagga cacatacagg ctggaccag gcacaatttc 540
cagaggggaa cttccaggta actcaccact ccaggcgttg cctgtcccgc ntgtgtctct 600
ttagtggcgg gacagggttg agccaccacc aacttgtggc ctttaacctc ggggtgcacct 660
ctggtgcacc tcttggtcca ccagtttgtg ctggactccc 700

```

<210> 963

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 963

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gacttcagga cacatacagg ctggaccag gcacaatttc cagaggggaa cttccaggta 60
actcaccact ccaggcgttg cctgtcccgc ntgtgtctct ttagtggcgg gacagggttg 120
agccaccacc aacttggtgg ctttaacctc ggggtgcacct ctggtgcacc tcttggtcca 180
ccagtttgtg ctggactccc tctcccatga caggtttctc cctcagcccc tgccctgcca 240
cctccctcca tgtattagcc aaggccctct cctcttgcat ctcagagaaa gccaaagttg 300
ctgctcagga accccctcca cgtctgtccc cagagcacca cacagatctg cattcagacc 360
tgcttcttgt ctcccaccct ccaatgtctt ttcattctaa gctgatctgg gcttactatc 420
cccctgtctt gagtcctctt agttacagtc tctgtctcta tacattctgt ctccacctct 480
ctgggttcta cccttgagct cccatatagg ctctattctt gctcatctta acacttgect 540
ccctcggtat ctgagagtct ttcgagtctt tgctgtgat tcatctcttc tcccctctctg 600
gttaggctac tggatagagt aatctacact ctgtccattt tccgtggtcc catatactcc 660
tgaactcaca gtatctggcc tttttcccca ctgtcactga 700

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<210> 964

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 964

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cccatatagg ctctattctt gctcatctta acacttgctt cctcgggtat ctgagagtct 60
ttcgagtctt tgctgctgat tcatctcttc tccccctctg gttaggctac tggatagagt 120
aatctacact ctgtccattt tcctgggtcc catatactcc tgaactcaca gtatctggcc 180
tttttcccca ctgtcactga tgctgttctt acaagggtcat cagtggcngc ttggctggta 240
aaccacgcga acaagggtca cacataatgt tctttaactt cccagcagca tttgacagat 300
agattgcctc attctttgtg atgttctctc ctcccttgaa ttctggcata ctgatatctg 360
cttctctttt agcctctctg gtcattttct ctcaagtggc cctctctcca ctgacttccc 420
agtgttagtg tttataagaa gatgttttga gggctgctgg agacaagtaa cccagcgat 480
tcaactgtgtg aggtcatgac agaccagct tattccagct ccagaacctc agctgcccc 540
tttagactcc attagagaga gggcagttca gggcacctgc aagatctgtt cactctgtag 600
ccttgagatt ggttgcttgg agggggaac cataacctgg cgttgacctc tcacgttcac 660
tcagcaaac catgagtgtc ctgaataggg ttatggggca 700

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<210> 965

<211> 700

<212> DNA

<213> Homo sapiens

<400> 965

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agaccagct tattccagct ccagaacctc agctgcccc tttagactcc attagagaga 60
gggcagttca gggcacctgc aagatctgtt cactctgtag ccttgagatt ggttgcttgg 120
aggagggaac cataccttgg cgttgacctc tcacgttcac tcagcaaac catgagtgtc 180
ctgaataggg ttatggggca gaaaggaatt actccctagg actccatct tacctcatct 240
tctccctgag caccttcccc aggtgagcac agccatttcc atcacctgag gtggatgaca 300
tccagatctg tgtttcttgc caaggcttgt ctcccagct tctaaccagt gtagacggat 360
gcctttggga catctgtact tgaatgtccc atggacttct cgaacttcat gtgtcctgaa 420
ctgaaatcct catctccttg taaacacttt accttcccc tcatccttct atctcagcaa 480
aaaggacctc catcctctgg ctgcctaagc cagaagccta aggcctatgg attctacct 540
cttctctcat gtcttccgtg cttatcccc gactccagcc tcacagctac ttttttctca 600
atttgattat caaaatacca ttctgacttg tctcctacct ccagcttact gcttaagacc 660
atcctccatg tggctcttaag cacacatttg ttcacatgag 700

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<210> 966

<211> 700

<212> DNA

<213> Homo sapiens

<400> 966

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ctgcctaagc cagaagccta aggcctatgg attctacct cttctctcat gtcttccgtg 60
cttatcccc gactccagcc tcacagctac ttttttctca atttgattat caaaatacca 120
ttctgacttg tctcctacct ccagcttact gcttaagacc atcctccatg tggctcttaag 180
cacacatttg ttcacatgag ttcttgatta ctgtgcttaa tttccaaagc taaacccaaa 240
ctcctcctgt gtgtgggtct tggggctcct catgactcca ttttcttggc ttcttggccc 300
attgtactca gctttcccta tcaactcagct cttttgtctc aaccttctta taggaatacc 360
tttaccatg tcagctaggc tactccatgt ctgattgcct atcagcactc agctcagctg 420
tcaactctcc aaatgctctc cagggagtag acattcgagt tggctctggg gaggatgctg 480
agtgccagg agccattctt agcattcttg gcactctggga gacatgttga taatagctac 540
tggtcattag catcctgggg agcataggag acatcttcat atgtcatctt attgaattct 600
tgccacaagc tctttaaaat tgatgatatt atctttatct agagataagg ggactgagac 660
ttagatatgg taacttgtct atagtcacac agctgggttg 700

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<210> 967  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 967  
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 agcataggag acatcttcat atgtcatctt attgaattct tgccacaagc tcttttaaat 120  
 tgatgataatt atctttatatt agagataagg ggactgagac ttagatatgg taacttgtct 180  
 atagtccacac agctggtttg cgccttagtg aggccaacac aaacctagtt tagttcagct 240  
 ccagagcccc agctcagtc gctatgttac tctgccccag caatgtaggt tcctgggcct 300  
 gcagagccag aggagacctg tggagaagga aaaggggctc caggagcccc ccagtccctg 360  
 gcctacctag ggacttcac ttgtgtttac tgtccccaac ttctattcc tcgttattgg 420  
 ttctgagcc accggggtta gcagacctg gtctctgaag catttagcct actgtgtagt 480  
 ggtttcattc caggcagaaa gagccttctc tgagttcttt tgtgtcagcc atgccaggt 540  
 tgctgttaat ggggctgtgg ggagtcttcc ttgctttcca gggagagtca cagccccac 600  
 tccccctcca tgggtatctgc tttctcatta ttctctgagg aaccacacac atagtctttc 660  
 ccattcttgag ctcaccctaa atcctgcac tccctatagc 700

<210> 968  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 968  
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 ggagtcttcc ttgctttcca gggagagtca cagccccac tccccctcca tgggtatctgc 120  
 tttctcatta ttctctgagg aaccacacac atagtctttc ccattcttgag ctcaccctaa 180  
 atcctgcac tccctatagc tgcttcttca tattggcttg aaactatctt catggtcact 240  
 ttccagcact cctctacag cagatgacct ttggtcataa gacctactga actgatactc 300  
 agcaaggtcc ctgccactta acagccaaag ctggcactgc aaccttggt cttggcctcc 360  
 cttggtgtct ctcacaccac tcccgctccc tctgtttctc ctatctttag ttcattctca 420  
 ggggtattca ttgtctgttc tttctgggta ggtgtccct ggagctctgg ccttagtcat 480  
 cttctccatt ctttccctnag agttcctgca agctatcttc ctcacccatg gcttggttgc 540  
 cacctaaatt tatgtttttt atattcagct aatttttcca tcctctagac tcatatggca 600  
 aactgcccac cagacatctt cttctctgtg gtccacagga ccttccact gtcccaaca 660  
 atgcttctctg gtgggtttct ggggctcccc ctaaaaaggc 700

<210> 969  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 969  
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 atattcagct aatttttcca tcctctagac tcatatggca aactgcccac cagacatctt 120  
 cttctctgtg gtccacagga ccttccact gtcccaaca atgcttctg gtgggtttct 180  
 ggggctcccc ctaaaaaggc cccttcccac ttgggagatg gggaatctga ggctaagagg 240  
 tggctgtgaa cccagtcga gggcagggtc gggcatctg tctgtgtcct ctgtgtcagt 300

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ggccctttag gatatgcagt ctaaagtgtcc gatggagttc tgcttggtga tgccccctat 360
ccagtggctc aggctttcct tgaagnggga atctctttcc ctaatccaga ggctcttttg 420
agcctgacaa tttacttccc ctgctgtagg aaccaagtac caggcaatgc tgagtgtgga 480
tgactgcttt gggatggccg ctcggcntac aatgaagggg actattatca tacggtgttg 540
tggatggagc aggtgctaaa gcagcttgat gccggggagg aggccaccac aaccaagtca 600
caggtgctgg actacctcag ctatgctgtc ttccagttgg gtgatctgca ccgtgccctg 660
gagctcaccg gccgcctgct ctcccttggt aaggagattc 700

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<210> 970

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 970

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gcagcttgat gccggggagg aggccaccac aaccaagtca caggtgctgg actacctcag 120
ctatgctgtc ttccagttgg gtgatctgca ccgtgccctg gagctcaccg gccgcctgct 180
ctcccttggt aaggagattc taggggaagg taagatngga atggagagtg gnanaggaaac 240
tgcactgtgc tggcatctgc ctgacccctc tcttgggact gagtcagttt accctgtcac 300
ttggccagtg actaatgcct tactgacttt aggaccagtc cagcttctta ctagctcctt 360
acccacctca atcctggcct taggtttgcg cagtcgctga tagatacgct caggcctgtg 420
gcacttgttg gcctttttta taaggactct gttatggtgt atctgtcacc atgcaggact 480
acacagggtg gaacctttac tacatcagga gcagctcagg agtcaggttg tacttttaga 540
ttgttacagt gacaaacagt agcgggtgcta ttagaggcct gaggtctaata agtaggactt 600
catatggcat tgatactttg tgtgccttgt gctgttggac tgaagaaggc caaaagcact 660
gtgcctttta aactcatcta cctttttttt tttttttttt 700

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<210> 971

<211> 700

<212> DNA

<213> Homo sapiens

<400> 971

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tacatcagga gcagctcagg agtcaggttg tacttttagga ttgttacagt gacaaacagt 60
agcgggtgcta ttagaggcct gaggtctaata agtaggactt catatggcat tgatactttg 120
tgtgccttgt gctgttggac tgaagaaggc caaaagcact gtgcctttta aactcatcta 180
cctttttttt tttttttttt tgagacagag tctcactcat ccagcctgga gagcagtggc 240
acgatctcag ctactgtaa cctccgcctc ccgggttgat gagattttcc tgcctcagcc 300
tcccaggttg ctgggattac agaggcacat gcccatggt gtattttctt tagtagagat 360
gaggttttac catgttggtc aggttggtct cgaactcgtg acctcacgtg atccaccgc 420
ctcggcctcc caaagtgtcg ggattgcagg tatgagccac cgcacctggc ctctgttgg 480
tttccagtta cgaccagcgt actctggtta gatgctgtgg aaggtagaat gcagcatgca 540
ggtgagctgc tgggagagaa acccttacag aataatttct ctaaatagacc taacagatgt 600
ttgtggtttc cttttccttc tcattccttg cattttctag acccaagcca cgaacgagct 660
ggaggggaatc tgcggtactt tgagcagtta ttggaggaag 700

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<210> 972

<211> 700

<212> DNA

<213> Homo sapiens

<400> 972

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actctggtta gatgctgtgg aaggtagaat gcagcatgca ggtgagctgc tgggagagaa 60
acccttacag aataatttct ctaaatagacc taacagatgt ttgtggtttc cttttccttc 120

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tcattccttg cattttctag acccaagcca cgaacgagct ggaggggaatc tgcgggtactt 180
tgagcagtta ttggaggaag agagagaaaa aacgttaaca aatcagacag aagctgagct 240
agcaacccca gaaggcatct atgagaggcc tgtggactac ctgcctgaga gggatgttta 300
cgagagcctc tgtcgtgggg aggggtgtcaa actggtgaga tgtgtgaggg ggctaggggtg 360
ccaaagctgt ggacctggac tctggctctg ggcaggcaga tttggggaag gtgttcttta 420
ttctgtaggt acttttctca gtatatcccc cagtttttca tggcatctcc tgaggctgac 480
atgtggatat tctctgaggt gtaggaaagg agactctctc ccctcgtgcc ccaggtagag 540
tgttgctcct ctaagttacc agtgagctcg cctccttacc ccaatatgtc ccactttttg 600
cttcactcac tgttgggaag aaaacaatgg gtggacgtac ctcaggcccc aaaagaagtc 660
atggtataag tggagagtaa gtctctgtgg taaagacacc 700

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<210> 973

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 973

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aaaacaatgg gtggacgtac ctcaggcccc aaaagaagtc atggtataag tggagagtaa 180
gtctctgtgg taaagacacc agcgtgtact agagcttggt atcgagcctt tgagagccct 240
gggatccctag tgcttcctga ggaggcccag gtgtgacagg ctctgagcct tttccatgcc 300
cctgtctgca tggcttctac tggctcctcc accaagaaag gtttctcccc tgtcccagcc 360
cttcagacct actcaagtct tcacgaaaag ggtcaggaat tactttctgc catgggactt 420
gaggatgtga ggtgattttg ggagagaaga aaaattgcat gatttgtggg gtgttatttc 480
atgccagtta agctgaaggg gctctcctct cctctccctt cccccattc cccctctctc 540
tccccctccc cctccccctc ccctccccct cccctcccc cccctctctc cctcctctctc 600
ctccccctcc tccccctctt cctttcttcc ttctttttt ttctcttttt cctgtttcct 660
nnttttccct ttnttttctt tctttcgtct cancctgtcg 700

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<210> 974

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 974

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gctctcctct cctctccctt cccccattc cccctctctc tccccctccc cctccccctc 60
ccctccccct cccctcccc ccccttctc cctcctctct cccccctccc tccccctctt 120
cctttcttcc ttctttttt ttctcttttt cctgtttcct nnttttccct ttnttttctt 180
tctttcgtct cancctgtcg ccaggctgg tgtgcagtgg tataatcata gctcactgca 240
gctttgacct ccagccttg agcaatctc ctgcctcagt ctcttgagta gctgggacta 300
caggatatgca ccatcatgcc tggctaattt tttagagaca ggtctatgtc atctaggctg 360
gtcccaaact cctgggtctc agctatcctt tggccccnca gaggttctcg attacaggca 420
tgagccactg tgcattgccc cctgctggga cttttgtttt cttctgtggg gtgggtggag 480
ggagcagctg ctggccatga ggtgagtcca gtgtctgcag acagccagac tgggaccgag 540
gattaggact cactcagctc agggcctgtt actctgtgct ttccagacac cccgtagaca 600
gaagaggctt ttctgtaggt accaccatgg caacagggcc ccacagctgc tcattgcccc 660
cttcaaagag gaggacgagt gggacagccc gcacatcgct 700

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<210> 975  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 975  
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 agggcctggt actctgtgct ttccagacac cccgtagaca gaagaggctt ttctgtagggt 120  
 accaccatgg caacagggcc ccacagctgc tcattgcccc cttcaaagag gaggacgagt 180  
 gggacagccc gcacatcgctc aggtactacg atgtcatgtc tgatgaggaa atcgagagga 240  
 tcaaggagat cgcaaaacct aaagtaggtg tcactgtagg tccttctcgg gtactgaag 300  
 ggggaagggtc ctttttctca tccctagcac tatgggtggt tggtttgccc atctagccac 360  
 cctttatcca tatctagcat gggcctaccg tggggataca gagatgcttc agactcagcc 420  
 tgacctgtg agttcatggt ccagtgaag aagaacaggg taaccaatgt ggacagccaa 480  
 gtgctatcat agaaggctcac gctgggaaca gggcaggtct acactggtgt gtcagttcac 540  
 ctggttgagg gactggtgct tgggtgagtt ttttgaaat gttccatagg atgctatgaa 600  
 gctgggtcct gtggagctcc tgattaggac tgtaaagtag gtgaatgact tagaggagaa 660  
 tgtatatctt tataatatgt ggtcttctca tccaagggca 700

<210> 976  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 976  
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 tgggtgagtt ttttgaaat gttccatagg atgctatgaa gctgggtcct gtggagctcc 120  
 tgattaggac tgtaaagtag gtgaatgact tagaggagaa tgtatatctt tataatatgt 180  
 ggtcttctca tccaagggca tgacaggtct ctccatatct ttttaagttt tcttcataata 240  
 agccttgaac atttcttaag tttattcctt ggtagtttct ttgttactgt taatttactt 300  
 tatttcttca ttattatttt taactggtta cattatttta ttagtttact atttatatgcc 360  
 aaactattga ttttacaat acatttcata gtaagagcta atgtttactg aattcttaac 420  
 tgtggcagga acttctaagt gcttaacata tatattaagt gttatgtcac agttatgaac 480  
 agctgctcat aatgatgtca ctgtctctgt tttacctatg aaaaagcaaa ctcatcacaga 540  
 ttgcagctag tgggtgaatt tacttatttc ttttttggtt tttagctgat ttctcttttg 600  
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 agttcctttg tttttataac cttattgaat tgcccagaac 700

<210> 977  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 977  
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 tacttatttc ttttttggtt ttttagctgat ttctcttttg ttgctggat agcattaaca 120  
 cctggaaata aggaaaattt tattttctcc tgatacttgt agttcctttg tttttataac 180  
 cttattgaat tgcccagaac ttctagagca taattacgta gaataggcat ccttgtctca 240  
 ttctgaatt tcctggaaat tcctatggtta ttttactgct aagaatgcag ttggctggtg 300  
 gttttgtata tatgccatgt tttaaaatta ttcttctgtt tctagttcat aaaagatttg 360  
 ttccccattt gacatcttcc aaagagacct atttgcctgc atatcccatc actgatgatt 420  
 gggagggagg atttagctcg atttcttatt agacctgaaa taggttccta tcttgcccc 480  
 aggtgaccag gaggcccgac actcatggag gctctgctcc taatagaatt gtggggccg 540  
 tggacctcat cttggaacag ctttggtctg aggtactagg acatctaggg ctttgagtca 600  
 gtggttgagg tcatcgatgt ggctgaggaa gggggctagc cagatatatg gagaatgggg 660  
 actaggactc ccctttctac tcagctccag agtcctccag 700

<210> 978  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 978  
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 ggctgaggaa gggggctagc cagatatatg gagaatgggg actaggactc ccctttctac 180  
 tcagctccag agtcctccag gaaagaaaac tactttgttg gttgtgccag gatttcctga 240  
 gagatttctt acccgttctt cagttccaga cactgagaac atttctctgt gcatgtgtgc 300  
 atatgtgtac acatgtgtgt ggctggccag ngggtagtgt taggaaaaga tatatttgaa 360  
 tagaagccat gcaaagagcc aaacaagggt ggcaaacatg tttggctctt aacatggctt 420  
 ctattcaaag ataagctgac ccctcctttc cggagactgt gagggacaga tgctattctg 480  
 gctttgaagt agagccaatg agcttaactt ggctgtgtgg gaatgcctgg cagctgtctg 540  
 tggggtctct ggctgtcttt caaaatagcc ctgtgcttcc cctggggcag agcacagctg 600  
 ctacagagcct ctttgtgggt gtcaggccaa tgctgaggca cagatgtttg gatggggtct 660  
 ggctgtgggt gcagttttca gggagggact gacatgagct 700

<210> 979  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 979  
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 caaaatagcc ctgtgcttcc cctggggcag agcacagctg ctacagagcct ctttgtgggt 120  
 gtcaggccaa tgctgaggca cagatgtttg gatggggtct ggctgtgggt gcagttttca 180  
 gggaggggact gacatgagct gaagctcagg aaggggccatg agtaggagct tgggagccgt 240  
 ctgtcctgct tgtgtgtggc atcttaccag atcatgccat agcagcacag tgtccaagtt 300  
 ggtccatctc acccccttac tagccttctg gtccatctac tcctctccat cccttctgcc 360  
 accacctggc ccggggccacc atcatctctt gccctgacct ctgtcgtggc ctactagacc 420  
 tcccagtccc cactctggcc cctcattagt caactctcca tgaggatttc acagtgatec 480  
 attttacatt cacattttga gtgtccctcc cctgcataaa gccttcccca tttctcgttg 540  
 gccacaaggt tgcattctagt tcctagcccc tgcttgtctc ttcagcctgt tctctcttac 600  
 tacttcccat aacctttaat ccacacctac tgcaacaccc attttcattc ccaggcctct 660  
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<210> 980  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 980  
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 tcctagcccc tgcttgtctc ttcagcctgt tctctcttac tacttcccat aacctttaat 120  
 ccacacctac tgcaacaccc attttcattc ccaggcctct ggattgctgc tctttccctg 180  
 ttctgtaat gtccctctac ttggataact catgttaacc ctccaggcct cagctagggtg 240  
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 ttcacccatg ctgtgctgca gttacctgac tgggtttctg ctttcccccac ttgactgagt 360  
 tgtaagagtg cagggggccat gtctcagtta cctagcatag tgccaggcac aaagtaggca 420



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ctcatcaata tttattgaaa tcaaggggaa gtgtgttggg gtgggagtac ctgggcctat 480
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tgttggctgg ctctgggcgg cgagtccccc ttgggggttc actaagccta actgtggagg 600
ctgggggaga tgaagtagat gcagggagtg catgtgtagt gtgtacctgt atgagtgggt 660
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<210> 981
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 981
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gcaggagatg catgtgtagt gtgtacctgt atgagtgggt ggcttcagg cagtggttca 180
cttattttaa cttacagaat cttttcctgg ttttatcatc tgacttgtaa ggatcccaag 240
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ggtgcagcag gagagtgttt ggatgggttt cttggcagag gagccactg aggttcggaa 360
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cacagtctga aaatggtggg agtagctaag ctacaggcagg ctgtgctcag gcaggggtgg 480
tatgtgggcc tggcaaggaa aggggctagt caggcagatg catgggtaga caaggcaggc 540
ataattctgc aggcaaagcg gacctgggga ggagaaggga tgagcagtga ccgagcaggg 600
caatagccag naactgattg cggattggga atgtggaggc ctacagactct tgccctcaac 660
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<210> 982
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 982
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cggattggga atgtggaggc ctacagactct tgccctcaac tggcctgcag gatcttgggg 180
ccttggttag agccattggc tgcaaagctt cctccactag catggcagta aatctggtcc 240
cagtgtcttc tgggaaaata ttcaaggcaa aacaaacaaa caaacaatac aagtcttccc 300
tctcctcctt ccttctagct tgcacgagcc accgttcgtg atcccaagac aggagtccct 360
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aagccccaac ttcaggactt ctcaagtgcct accctaggga tgggtggctt gccttttcct 480
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ccctgactct ggggacagag ttcaggacct catggaagcc tgcccttccg tcttcttttc 600
tctgcccttt tctttttgcc cagctcctgg ctagaggaag atgatgacct tgttggtggc 660
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<210> 983
<211> 700
<212> DNA
<213> Homo sapiens

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<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 983  
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 cagctcctgg ctagaggaag atgatgaccc tggttgaggc cgagtaaata gtcggatgca 180  
 gcatatcaca gggtaaacag taaagactgc agaattgtta caggtaacaga tagtacctgg 240  
 gactgtagga gttgggaagt gggatatttg ggctagatgg tctcacaggg tgtccagaac 300  
 tgggccaaga ggccaactg tatgactact gcctgatgct atgaatatgg agtgatctca 360  
 ttttaggaaa ccagaattaa tcatgcctgc tggctttcaa caattagtgt tcaacaaata 420  
 tctattgagc atctnctgtg tgccaagtg tgctgcaagc tagggatcag gggtagttat 480  
 ggtagggttcg ttcattgtct cttgacaaca gaagctcaaa tctgaatgg tctcaggagc 540  
 atctctaaga gagctaaaaa tgacttcaga ggccatgggt ctgtgtcata atcaaataca 600  
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 aaagcagcag caggggactt cccatgaggg actgccaaga 700

<210> 984  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 984  
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 gtgtgttttc tctgctgna ccacaactga agttgctcca aaagcagcag caggggactt 180  
 cccatgaggg actgccaaga tggggctcag tgagaattca aagaaagcgg cactaaaccc 240  
 ctgggtcttc agtccacagc atttattagg gaacttgcag agtgggctgc agcaatcctc 300  
 aaaatggaca gcaagagaca agaattgttt tacctaagta tttccacagt gagggagtca 360  
 gagtgtggag tttatttgag ggtttaggga atttggttca gggctggggc tagtttcttt 420  
 cagtgttatg ggcaacaacc taaacacct catcagtgc tgggaatgtt gaagactcca 480  
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 gagtctgatt ttcagtcaga acaaagaaag aaagggcggg tgggtctggg ggaccttaca 600  
 ctgtgatatg taggtggaag tgagaggcct ggactgggtt agctgggtgca ggtggaatgt 660  
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<210> 985  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 985  
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 tgagaggcct ggactgggtt agctgggtgca ggtggaatgt tcttgtccaa gtactccac 180  
 tgggacctg gcttctctgc tttattcaga ggtgatattg aagaaatgtg gcagcaccct 240  
 gctgaaaggt tttgggtaaa gctccttatt aaagtatcct cttgggtaaa gcttagtaaa 300

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gtgtcctctt ggggtattgag tccaaatcag cactgggetat gttcccttat aaatattgga 360
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atctttctag aggcctctgg gtctctctgt ttggccaaag tttctgtata cttaaagata 480
gcagccttta cctttaggat tggcatttgg gtctgatcta ccatagatct cattagaata 540
ttgattaaag atcatttgga aaagattttt tgaacttttg cttggacacg cctaagcaaa 600
tcagccttct ttttgttggt ttttctgtgt agctgcatca gcaattggaa aatcaatttt 660
gaaggctcatc tttatggatt ggtgtgaagt ctaccagagt 700

```

```

<210> 986
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 986
tggcatttgg gtctgatcta ccatagatct cattagaata ttgattaaag atcatttgga 60
aaagattttt tgaacttttg cttggacacg cctaagcaaa tcagccttct ttttgttggt 120
ttttctgtgt agctgcatca gcaattggaa aatcaatttt gaaggctcatc tttatggatt 180
ggtgtgaagt ctaccagagt tttaaaaagc atactgatta ccttgcaaag agtactgtga 240
aattttaatt tttttttcag ttcagctcaa cttagtgttt tgtaattttt aaataaattc 300
tgcagataag cacatccatg gaggacttct gcctcatctc ccacttgctg cgtatgtgta 360
agagcaccac catttcaaga gtgataggca ctcttgatgt gctagatgag tccctgttgg 420
cattgtcttg attcatatct tcttgagca ggtttttgtt tttgttttta aagacatctg 480
ccactgcttc ctctgtgtta gagccagtct tcaggacttt catgggtcctg atcaaagacc 540
acagtctgct tggctgattt cataccctgg accaagaggc tgagtagaca ggacctgtgg 600
ctctgttgct ttcttggtta gctgtgcggc tgtactcact gtatccctgt cttacactca 660
cccgtggaag atagcagctt cttgcctatg gactgacttc 700

```

```

<210> 987
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 987
gagccagtct tcaggacttt catggctcctg atcaaagacc acagtctgct tggctgattt 60
cataccctgg accaagaggc tgagtagaca ggacctgtgg ctctgttgct ttcttggtta 120
gctgtgcggc tgtactcact gtatccctgt cttacactca cccgtggaag atagcagctt 180
cttgcttatg gactgacttc tctgctacaa ttcagccttt atcttgctct gcctctcatt 240
gtgtttagtc tcaattgtct gggggccgaa tgccagacct cttggtagag gggctcttat 300
agttaaggat cttctggaaa ttcagaccac agctgccaaag tggttgagat gccatttttg 360
tttgatttct tctcctagga actgtctcga catttctttt gccagtcagt ggtattgaag 420
gctttgatcc ttcattggtct ggggaacagg aacctgggtt tcagcatgta tccctaagtg 480
cttactccat atgaaatgct tgtggtatga tacatgccta ggcaccagca acagccctca 540
caccaggtcc tttaggaaat gctgcaggcc tctggaaagg agctggttct tctatctggt 600
gacattcttt cagctgtagc tcacatggtt gctgtagatc atttgaagga aaaaggtaat 660
tgaggctttc tgggtgaattg gatgagggct tatctgatag 700

```

```

<210> 988
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 988
tgtggtatga tacatgccta ggcaccagca acagccctca caccaggtcc tttaggaaat 60
gctgcaggcc tctggaaagg agctggttct tctatctggt gacattcttt cagctgtagc 120

```

```

tcacatgttt gctgtagatc atttgaagga aaaaggtaat tgaggctttc tggatgaattg 180
gatgagggtt tatctgatag agaggaagag atgctacacc tctaggattc taaagattga 240
agactttggc tgcacgatgt ctccagcctca ccagaaaagt gatttctgac ctttttaatt 300
ttgcctttac tctgtcctta gcattgtaaa taccacntc tttcaaataa ctgacccccc 360
tcttacaata gtaagtctaa agattttaagt gaatacctcc tcacatgaat cggctcttgac 420
gtacagtttc ttgttattaa aggcgtgagc ctggggactt gagtatgcct ggatagggaa 480
tcttactgct gcaaatctag atggtcctat gcattttgta cttatttggg aactgtatta 540
aagaaagtag gtacgggtggc ttcagaacca taatcaaata taattctcca aacctaaaag 600
atgagccagc tctcgcaatg cagcttcttt cactgcctgg gatttgtaaa ttaagcaat 660
ccatttaaca agtggaagta ttggaaaatg cagtcatact 700

```

<210> 989

<211> 700

<212> DNA

<213> Homo sapiens

<400> 989

```

atggtcctat gcattttgta cttatttggg aactgtatta aagaaagtag gtacgggtggc 60
ttcagaacca taatcaaata taattctcca aacctaaaag atgagccagc tctcgcaatg 120
cagcttcttt cactgcctgg gatttgtaaa ttaagcaat ccatttaaca agtggaagta 180
ttggaaaatg cagtcatact ttgcagctcc agcaacaagc actaattgaa ttttcttgag 240
tgtacctgca cagcagtcac agttgtgttt aaaattttct tccatgccag gtgtcgtggc 300
ttacatctgt aactcagtac ttggggagac caaggcagga ggattgctcg aagccaggag 360
tttgagacca gtctgggcaa catagtgaga ctctgtctct acccccactc cccccaaaaa 420
aaaggagaga gaaaaaaatt ttcttcaagc tcttgactac aaaaagagat atgctttctc 480
agctgctctg gcacttctct ccttagatgc atctccagcc ttagggccac ctgctgaacc 540
aggcttcctt gtgctgttga caggatttcc aggtattttt ggtacaggaa tcttaaaggc 600
tgaagcaatg gatgacaaca tgttttcac cagcttttgt attaaaattt ttatttttgt 660
agacatggaa aatgatactg ccaacatttt gtgctccta 700

```

<210> 990

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 990

```

ccttagatgc atctccagcc ttagggccac ctgctgaacc aggcttcctt gtgctgttga 60
caggatttcc aggtattttt ggtacaggaa tcttaaaggc tgaagcaatg gatgacaaca 120
tgttttcac cagcttttgt attaaaattt ttatttttgt agacatggaa aatgatactg 180
ccaacatttt gtgctctaata aagaggattt catctcttat aaagtccact gtccctttct 240
ttcttgcatt tctttttttg tgtgtatgtg aaacagggtc tcaactctgt gccaggctn 300
gagtgcagtg gcacagtcac agctcagtc aaccttgaac tcctgtgctc aagcaatcct 360
ncctgcctca gcttcttgag tagctgggac tacagggtgca cgccactgtg cccagctaat 420
tttttcatta gtagagacag atggggctct gctatgttgc ccaggctggg ctcaaacttc 480
tgagctcaag cagtcctctc acttcagcct cccaaagtgc tgggattaca ggcgtgagcc 540
aacacgcctg gcttctgtcc cagcttttta taggtctctg ttattgctag tttttagaca 600
tctctcacct gactgttggg attgcagaaa aggatataca aaaaatacca actttctgag 660
aacttatggc ctagccccag aggtttttat gttttcagtg 700

```

<210> 991

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 991
acttcagcct cccaaagtgc tgggattaca ggcgtgagcc aacacgcctg gcttctgtcc 60
cacgttttta taggtctctg ttattgctag tttttagca tctctcacct gactgttggg 120
attgcagaaa aggatataca aaaaatacca actttctgag aacttatggc ctagccccag 180
agggttttat gttttcagtg agacacaata gccaaactgtt cccagatgga cattggtggt 240
gctacttgat ccatcagctt ccatgtcaga ttctgtgctt catctttaac cttgtctctc 300
attctgtcta ctgacgctga gacaataatt gtgatttagg acttcccatt gtgctgataa 360
gctgtccaca aaggcattta caatttctaa tccaatttat gacacctggt agttgctcag 420
atgttacttc aggtccagggt tcacactggg gttgctgatg tagcacggta attcttgact 480
gcctggcagc tggccaccca tgttgtgctg tttcactcca tgcagtagac cactgtggga 540
gtctgcccc ctcagtctca ccaggaatag cagagggtgt aggaacagtg ccaggtgctg 600
agtacctcca aaactagttt aaaaaagaaa atcctcgtct taaatttgtt actcactttc 660
ctctggatta ctttcttaat atgtcccaa caaactgggt 700

```

```

<210> 992
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 992
tgttgtgctg tttcactcca tgcagtagac cactgtggga gtctgcccc ctcagtctca 60
ccaggaatag cagagggtgt aggaacagtg ccagggtgct agtacctcca aaactagttt 120
aaaaaagaaa atcctcgtct taaatttgtt actcactttc ctctggatta ctttcttaat 180
atgtccaaa caaactgggt ccaggccagg gccgcctca agcagtgttc ctttgtctgc 240
tgtctgagtg tccatgaagg gctggtgctt ttccctcagt atcatatgca gttcacccat 300
cttgttttgt ttgggaaacc acatttgtgc cgcagcctta ctcttgga gaactgtaga 360
cttgttttgt atgtttgtct tgccctgtgct gccagggcag ggttgtcttc caccttagag 420
aggctgctct tgggagttct ggttgttttc aggctggga agatggtatc cctagagtga 480
ttggtgctta cagagctggt catgctgctt acaaggctta atgctgttat tccccacagg 540
ttgcaaatta tggagtggga ggacagtatg aaccgcactt cgacttctct agggtaagg 600
ctaaatcaca ggtgctttca aagggccctg ctctagctga tttgagaagg gtggagcttc 660
taggagcatt tcagcctcca catcagtacc cccaccctt 700

```

```

<210> 993
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 993
catgctgctt acaagggtcta atgctgttat tccccacagg ttgcaaatta tggagtggga 60
ggacagtatg aaccgcactt cgacttctct agggtaaggc ctaaatcaca ggtgctttca 120
aagggccctg ctctagctga tttgagaagg gtggagcttc taggagcatt tcagcctcca 180
catcagtacc cccaccctt gtctctctc cacctctgca tcaccagggg aaactcttcg 240
ttactggtga atccaaatc tggaaaccaag ggtcctgcag aatgcagtgg agcctggctg 300
tctccctgt agatgtgggg cgttcgtccc ctgccctaat tctgtcacc tttgacctga 360
ttctaaagca aagagcctca ctaggctctt gtgaaaactg ttcttgtccc ttttctctt 420
ccccgtctac tccatgccct agccagaatt tactttgcag ctttggcaca tattccaggc 480
tgatttatgg aacacacact tattactttt ccctgaccct tttggctcta gtcttgtggg 540
tgggtgatga agcctgttgt aaacttgggt gaaagtgtt gtctgttgca gcgaccttt 600
gacagcggcc tcaaaacaga ggggaatagg ttagcgacgt ttcttaacta cgtaagtact 660
gggtccaggc ccacctgttc attctcactt aattttgtag 700

```

```

<210> 994
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 994
tattactttt ccctgaccct tttgtccta gtcttgtggg tgggtgatga agcctgttgt 60

```

```

aaacttgggt gaaagttggt gtctgttgca gcgacctttt gacagcggcc tcaaaacaga 120
ggggaatagg ttagcgacgt ttcttaacta cgtaagtact ggggccaggc ccacctgttc 180
attctcactt aattttgtag aatgatgagc gagatacttt caagcattta gggacgggga 240
atcgtgtggc tacttttctta aactacgtga gtatgatgtg tgctgatgag ccctaagggg 300
accctgggtc cagaggggtg ccttatatcc cccccccatc agggctgatc tcatctgctg 360
ttaagtaatg gtcaggctct tctggctctc agcacccttc ttggctgcag tagggagagt 420
tggcctctgt ttctattcat tttcccccact gccaccagca ggactttaac attcctggct 480
cctatTTTTT tccccagtggt ttaaaattgt gataaaacag acataacata aaacttacca 540
tcttaaccat tttttaaatg tacggttcag tggattataa tacattcata gtgcgcaagc 600
atcaccacca ttcattttcca tctatTTTtca tcatctaaaa ctgaaactct acccattaag 660
caataattcc agattccccct cctgcagctc ctggcagcca 700

```

```

<210> 995
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 995
ttaaaattgt gataaaacag acataacata aaacttacca tcttaaccat tttttaaatg 60
tacggttcag tggattataa tacattcata gtgcgcaagc atcaccacca ttcattttcca 120
tctatTTTtca tcatctaaaa ctgaaactct acccattaag caataattcc agattccccct 180
cctgcagctc ctggcagcca ccattctgct ttctgtcgct ntgatttttg ttacttaaat 240
aaatggaatc aaagtattaa cacttgtctt tttgtgtggc tgggtgcataa tgtcctcaag 300
gtttatccat gttgtagcat attctggctt cttcttcttc tttttttttt tttttttttt 360
tttgagatg gagtcttgct ctgtcaccca gactggagtg cagtgggtggg atctcggtct 420
actgcaacct cagcctccca gggtcgagtg attctcatac ctcagccttc caagcagctg 480
ggattatagg cgctagccac aacgcctggc taatttttgt attttttagta gagatagggg 540
ttcaccatgt tggccagggt ggtctcaaac tcccgacctc aggtgatccg cccccctcgg 600
cctcccaaag tgctgggatt acaggcgtga gccactgcgc cctgccattc tggttccttt 660
ttgatgggcc cagtgctagt ctggactttt gggatgggtg 700

```

```

<210> 996
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 996
aacgcctggc taatttttgt attttttagta gagatagggg ttcaccatgt tggccagggt 60
ggtctcaaac tcccgacctc aggtgatccg cccccctcgg cctcccaaag tgctgggatt 120
acaggcgtga gccactgcgc cctgccattc tggttccttt ttgatgggcc cagtgctagt 180
ctggactttt gggatgggtg ccctggaggg ttccctcctt ggcatacagag tgaggagata 240
gccttagctc tctctagatg agagctgcct ttgtgttctc caaggcttaa tggcctgatt 300
cccacctctt gcctctgttt tatccatagg ttgtagggtt tatctttcac atgaggagca 360
gtttcctctc cctctgctg agagccagct ctaaagaggc atagaggcag taaagtaact 420
tggagacaga agcctgtgtc cattttttcc ctttatgctt ttattgtgtg gttattacat 480
gctggggatt gtgctgtgta catgctgggt agcagaacat atgtgggtct ncttgtgctt 540
gaggtccaat atgagagact tatttttaaac atcagagaga ttcttcttta tctttttttt 600
tttttttttt tgagacagac tctccctctg ttgcccaggc tggagtgcag tggcgctatc 660
tcagcttact gcaaaactctg cctcccagggt tcaagcgatt 700

```

<210> 997  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 997  
 catgctggtg agcagaacat atgtggtctc ncttgtgctt gaggtccaat atgagagact 60  
 tatttttaaac atcagagaga ttcttcttta tctttttttt tttttttttt tgagacagac 120  
 tctccctctg ttgccaggc tggagtgcag tggcgctatc tcagcttact gcaaaactctg 180  
 cctcccagggt tcaagcgatt ctctgcctc agcctcccaa gtagctggga ttataggcgt 240  
 gcaccaccat gccagctaa tttttgtatt tttagtagag atgaggtttc accatcttgg 300  
 ccagactggt ctcaagctcc tgacctcaag tgatccaccc gccttggcct cccaaagtgc 360  
 tggcattaca ggcgtgagcc accatgccc gcctaaacat cagagagatt attatgtagt 420  
 tatggagaca ggtgctgtga accccaggct tgggggttcag tggaggcctc tctttggaag 480  
 taacatatca gttgagactt aaaagttag tggaaattag ctggtagaac atgggttctg 540  
 gcagaagaga gagtgtatgt agtcctgtaa gagaaaagga acttgggatg ttggaaagg 600  
 agaaaaaggc tgggtgtgtc ggagagaggc tagtgagact gacagggcct tgggggttcta 660  
 gaaaagaatc tgagtttgat ccacagggct gtgagaagcc 700

<210> 998  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 998  
 aaaagttag tggaaattag ctggtagaac atgggttctg gcagaagaga gagtgtatgt 60  
 agtcctgtaa gagaaaagga acttgggatg ttggaaagg agaaaaaggc tgggtgtgtc 120  
 ggagagaggc tagtgagact gacagggcct tgggggttcta gaaaagaatc tgagtttgat 180  
 ccacagggct gtgagaagcc atcagagctt ttgtcttatt catttaccat atgtctgtca 240  
 agtacccttc agtgagtctg gtatgtgtcc tgtggaaata ttttttacct ccaattttta 300  
 ttaaattatg gacaaaaaaa gtaagagagc cagatgggaa agaagtagtg ctttggccat 360  
 gagtcaaggc atgctctgtg ggcattgagta cagccttgct agtgtggaac ttgtgttcaa 420  
 tgtagtttaa ggccttacca taggagaaag cagggcctct agagacacag tgccccaccc 480  
 ttccactcag ttggccccag gaagggtggc tactctggga aggtgaagg ctgactagag 540  
 cagcaaacta ctagagccag agaaacagag ctgcagtggg gactgcacat ggtgttggaa 600  
 acagtacaga gtcctgggtc agggcacttt gcagagtaca gtggccttag caaggccaag 660  
 gctagatggg gattcaaagg gtgggggtcag aacaggcatt 700

<210> 999  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 999  
 gaagggtggc tactctggga aggtgaagg ctgactagag cagcaaacta ctagagccag 60  
 agaaacagag ctgcagtggg gactgcacat ggtgttggaa acagtacaga gtcctgggtc 120  
 agggcacttt gcagagtaca gtggccttag caaggccaag gctagatggg gattcaaagg 180  
 gtggggtcag aacaggcatt ttctgagtag agactcagat tattttcatc cagggacagc 240  
 ccggatgtgg gtctcctgtg ggcctcaact cttgaacact catgacatgg agactgttct 300  
 aatgaatcac actgggttaag taggcattgg aagagccttt cttggctaaa gggctggcca 360  
 tggagcagac accaagtagt gtcactcatg ctgagaggag ggcaatctat atacctgtc 420  
 atgtcctttg tggctcaatt gctctgagag ccttgggttag gagggcaag ctctatgtct 480  
 tatattttcca gatgagtgat gtagaagctg gtgggtgccac cgtcttcctt gatctggggg 540  
 ctgcaatttg gcctaagaag gtaagttctg attcttgtgg gtcagagggt gaagcaaggc 600

```

tcagacttta ctttgtccat gtcccccagt accattacct ggcttgctg attgtcactg 660
tgatgtgcct tagcccacct ggggtctgac ctggtagccc 700

```

```

<210> 1000
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1000
gtagaagctg gtggtgccac cgtcttccct gatctggggg ctgcaatttg gcctaagaag 60
gtaagtcttg attcttgtgg gtcagaggtt gaagcaaggc tcagacttta ctttgtccat 120
gtcccccagt accattacct ggcttgctg attgtcactg tgatgtgcct tagcccacct 180
ggggtctgac ctggtagccc agcttctccc tgtgaagaaa ggacaggagg ggaagtccct 240
tcaggggttg gtgagttccc agactttctac ctcagaaagg taggtgcttt ctgggaaatg 300
tctctgttgc tggagtccca gagccctatc ccctgtccat gggaaaatga ggggtgtttct 360
gctcagggca gagcttctgt gatgcttgca gtcaggctcc tgagcacagt ctcttaagaa 420
tgtgttctga aaggccatct ctttcccagg gtacagctgt gttctggtac aacctcttgc 480
ggagcgggga aggtgactac cgaacaagac atgctgcctg ccctgtgctt gtgggctgca 540
agtggggtga gtgtcttaag gggtagtggt ggtgttggtg gcctcagctt gggcctttgct 600
tattggcctt agattctgag ctgggaggca actgctgcca aatttgctga gactgtctcc 660
cttcttaggt tttttctgc tgttattacc atccagccat 700

```

```

<210> 1001
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1001
cgaacaagac atgctgcctg ccctgtgctt gtgggctgca agtggggtga gtgtcttaag 60
gggtagtggt ggtgttggtg gcctcagctt gggccttgct tattggcctt agattctgag 120
ctgggaggca actgctgcca aatttgctga gactgtctcc cttcttaggt tttttctgc 180
tgttattacc atccagccat gtaatgtcca tgcagctggt aaatgccaag gcagctgggt 240
ggaaacactc agagatacac aggaagctga agaaggcctg aggacgaata gctgcataag 300
caccataggt ccaggaccct ctggcaaggc ttctgaggga gcagagtggg gagctggaag 360
cagtggaggg aaagagtgtc tcaggcaaac aaggcccata tggatggagg cacaggctaa 420
aaccagcata cgggtgtggg ggctggctcc cttgtcactt gaagaaaggg aggcctgtgg 480
cacaggggcc agaagatgag gctggaggct gggaccaaac tgcagaggct caagcttgag 540
ccttatcctg ggagcagttg tggtagcct cggagaggct caaaccagga tatgacagga 600
agtgtttgta aggagatgag tgtgtagccc ccttgagag ttttgaagat aaatagtgat 660
aggtttgcag ataattaagc aaatggaaaa gaaaacaagg 700

```

```

<210> 1002
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1002
gctggaggct gggaccaaac tgcagaggct caagcttgag ccttatcctg ggagcagttg 60
tggtagcct cggagaggct caaaccagga tatgacagga agtgtttgta aggagatgag 120
tgtgtagccc ccttgagag ttttgaagat aaatagtgat aggtttgcag ataattaagc 180
aaatggaaaa gaaaacaagg cagttgctga attcagggga aaaaaagttg tacaagaaag 240
gaaatgtaag tataatctac tagatggctc aggtgtaaca catgatataa ttatgtacac 300
actgagtatt actttaacta aaacttatga ttacctgta ctggaaagggt gggaggggat 360
gagtttgtgt tttaggggta gaataaaaga attccaaagt tgaaagtcaa ggaatagaac 420
tataagcadc ttatctagaa aaatgagggt aaatatcaga agaaacagct agaggagttt 480
aatgttccct gggagtggag attagggatg ggaaggagag gcttaggagg agtgctatatt 540
atcattataa gccttgcgac aattttattt ttttcaatga agtacatgtt attactttat 600
attttaaaag ctctgtgact tcagtagtgc attgaaataa aatttttatt cattatgaga 660
gagtctgtga ggaacagaat catggttcct gtgtgtttga 700

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<210> 1003  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1003  
 attaggggatg ggaaggagag gcttaggagg agtgctatatt atcattataa gccttgcgac 60  
 aattttatatt ttttcaatga agtacatgtt attactttat attttaaaag ctctgtgact 120  
 tcagtagtgac attgaaataa aatttttatt cattatgaga gagtctgtga ggaacagaat 180  
 catgggttcct gtgtgtttga agatatggcg tggggtgata gtgctggcag cagctctgtt 240  
 gctcttggtgc ccatggcata cagactggat ctgctggccc acggtcctg aggttaatgt 300  
 ccaagccctc tgcaatgctg acagtcttcc tcacccctac accctacctc tcagtttcta 360  
 cctgccacct ccagtaata ttaggcctct tgagtcccc acacacgtca ggggtggcttc 420  
 tgccctgatt actttctcat cctgttggtc ctccctgggac cctcttggtg agagaaccat 480  
 ctgggtatgc ccatcttctt cccaggataa cttctatgta gctttatatt ctagccctag 540  
 gatttcctct tccctctaag agcaagaaac atgtgtgcag gttgccatgg gaatagagcc 600  
 aaagggcatc aaagggtcatg ggcattgaaag ggcattgata gatgcccttg ggtgctattc 660  
 ccatggcaac ctgcacacat gtatcttgtc ccactggcag 700

<210> 1004  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1004  
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 agcaagaaac atgtgtgcag gttgccatgg gaatagagcc aaagggcatc aaagggtcatg 120  
 ggcattgaaag ggcattgata gatgcccttg ggtgctattc ccatggcaac ctgcacacat 180  
 gtatcttgtc ccactggcag aatttcatac aattatctgt ttacatgtgt cttccttacc 240  
 aattcttcag caaattgagg cctgagatca tgtcttgtct tatttgtgtc tgattccagg 300  
 gcacagtga ggggtgcac atgaaggagt cattcattca ggctactaaa ctgaccaata 360  
 ggattgtaac atgcttgctt tcttttcaca gtctccaata agtgggtcca tgaacgagga 420  
 caggagttct tgagacctg tggatcaaca gaagttgact gacatccttt tctgtccttc 480  
 cccttcctgg tccctcagcc catgtcaacg tgacagacac ctttgtatgt tcccttgtat 540  
 gttcctatca ggctgatttt tggagaaatg aatgtttgtc tggagcagag ggagaccata 600  
 ctagggcgac tccgtgtgta ctgaagtccc agcccttcca ttcagcctgt gccatccctg 660  
 gccccaaaggc taggatcaaa gtggctgcag cagagttagc 700

<210> 1005  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1005  
 catgtcaacg tgacagacac ctttgtatgt tcccttgtat gttcctatca ggctgatttt 60  
 tggagaaatg aatgtttgtc tggagcagag ggagaccata ctagggcgac tccgtgtgta 120  
 ctgaagtccc agcccttcca ttcagcctgt gccatccctg gccccaaaggc taggatcaaa 180  
 gtggctgcag cagagttagc tgtctagcgc ctagcaaggc gcctttgtac ctcaggtgtt 240  
 ttaggtgtga gatgtttcag tgaaccaaag ttctgatacc ttgtttacat gtttgttttt 300  
 atggcatttc tatctattgt ggctttacca aaaaataaaa tgtccctacc agaagcctta 360  
 aagagcctta cttggagtat ttttaagact ggaagctttt accagggttc tcatctccta 420  
 tgcattcacct tcatgcaggc agagtctgga taatgaatgc tttagcagca aaaaagcatc 480  
 ttgggtcttg gatttcagac ctggtttcaa cacttgtgtt cctcctaagt gtcagtgtcc 540  
 ttttctggaa agtagggtaa atagtttctc tttgtctccc agagaacata gcacatgtgt 600  
 tcatgattgt aatgctgtta taatgtgtac ttcattttta aattttgaga taagaattgt 660  
 tcatgatata cagatgtata cttaaaaaaa tatgaagggtg 700

<210> 1006  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1006  
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 atagtttctc tttgtctccc agagaacata gcacatgtgt tcatgattgt aatgctgtta 120  
 taatgtgtac ttcattttta aattttgaga taagaattgt tcatgatata cagatgtata 180  
 cttaaaaaaa tatgaagggt agcaggagca cctgtgtcaa caccaagtta gaaaagagaa 240  
 cgttttcaag tcagtacctc aggagcccc tgggaacccc tcctagatca catctccttc 300  
 actgccccca gcactttgga gataaatcat tgtctcatga tgtgtggtac tcattccttt 360  
 gcttgtcttt atagttttac catctatgat tagatcccta aataagtagt tattctgttt 420  
 tccctgattt tgaactttta ctaatagaat nagagtaaatt atttttgggt atgtggcttc 480  
 ttttgttcaa cattgtttta agattcatcc gtgttgcttg tgtagctgta atttgtttta 540  
 atctttatag tacattcagt tttgttaatg cttattgtag gactgtacca taatacaggc 600  
 agcatgctgc tgataaacac tgggaattgat ttcagtcttt gtatattgtg aataatgctg 660  
 tgataaacat ttttatacat gattcctggt gcacatataa 700

<210> 1007  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1007  
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 tttgttaatg cttattgtag gactgtacca taatacaggc agcatgctgc tgataaacac 120  
 tgggaattgat ttcagtcttt gtatattgtg aataatgctg tgataaacat ttttatacat 180  
 gattcctggt gcacatataa acacatatat ctgtaggata tatatctagg agtggaaatg 240  
 tggagtccta atggtgttcc aactttacta aataatgtat tccaagggtg ttatacacat 300  
 tctcaccagg agtaaagtga agttattacc ccaatctttt ccantattta gtattttcat 360  
 acttttgaat tttagctagc ttggtacatg ttacggacta aatgtttgtg tccccccacc 420  
 agattcatat gttgaaatct tttttttttt tttttttttt gngacggagt ctgctctgt 480  
 cgcccaggct ggagtgcagt ggcgngatct cggctcactg caagctccgc ctcccggntt 540  
 cacgccattc tcctgcctca gcctcccaag tagctgggac tacaggcgcc cgccactacg 600  
 cccggctaatt tttttgtatt ttttagtagag acgggggttc accgttttag ccnggatggt 660  
 ctogatctcc tgacctcgtg atccgccccg ctccggcctcc 700

<210> 1008  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1008  
 ggcgngatct cggctcactg caagctccgc ctcccggntt cacgccattc tcctgcctca 60  
 gcctcccaag tagctgggac tacaggcgcc cgccactacg cccggctaatt tttttgtatt 120

```

ttagtagag acgggggtttc accgttttag ccnggatggg ctcgatctcc tgacctcgtg 180
atccgcccgc ctccggcctcc caaagtgtgt ggattacagg cgtgagccac cgcgcccggc 240
ccatatgttg aaatcttaac cccaatgtg atgatattag gatgcggagc ccttgggagg 300
tcgtaagcat ggagcccacg tgagtgggat tagtgccctt atgaagagat cccagccctc 360
tttctgccat gcgaacacac agcaagaaga tgcctgtcta tgaaccaggg ggcccttacc 420
agaaacaanc ctactagcat cttgatctcg gactttccag ttcccataac catgagaaat 480
aaatgttttt aattcaatgt atggtatttt attatagcag ctctaccta gacagtacat 540
gtatagtgtc tatttgaaca ttactgataa tgttgaacaa cttttcatgt ttattagtta 600
ttaggtttct tcaagtgttc ttattcatac aaattttaaa atatgtacac aagttccttg 660
ttatatattt tgcaaatatc ttctgtggct tgtcttttca 700

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<210> 1009

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1009

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atggtatttt attatagcag ctctaccta gacagtacat gtatagtgtc tatttgaaca 60
ttactgataa tgttgaacaa cttttcatgt ttattagtta ttaggtttct tcaagtgttc 120
ttattcatac aaattttaaa atatgtacac aagttccttg ttatatattt tgcaaatatc 180
ttctgtggct tgtcttttca ctatttttagt tctgtctttt gataaacagg agcttttaat 240
ttttatgtca aatctatcaa gctttttctt tttgatttat gttttttatg tcttatttga 300
gaaatccttc tataccccaa gatcatgagg atgtttcctg tgttctcttc tgaaagctat 360
atagtctttg tcattttaggt ttatctttat acgtggtagt aagtgtaaaag ttctactttt 420
aattttttgc atattttatt aggataggat gggctttttc tgtagttaata atccntaaat 480
ctcaggggct taatatataa aattgtctca tgcaaaaaac cactgggtct agggcaattg 540
ctatctactg ccgtctaate tccctctagt ggcttccatt ggtagaccct aacaggaagc 600
cagctgataa gggaatctgg gaaatgtagt ttacagagtg gcagctacag tagaacagta 660
gagactacaa ggatgagctt gcagctgaga atagaaacgt 700

```

<210> 1010

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1010

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aattgtctca tgcaaaaaac cactgggtct agggcaattg ctatctactg ccgtctaate 60
tccctctagt ggcttccatt ggtagaccct aacaggaagc cagctgataa gggaatctgg 120
gaaatgtagt ttacagagtg gcagctacag tagaacagta gagactacaa ggatgagctt 180
gcagctgaga atagaaacgt gactggcaca ctagggtggt tgtttgtagg ttttttcttt 240
tctgttttga gacttttttg gattcttgaa tttgtacaat gntntcctta atcaattgtg 300
gaaaattaaa tgattttttc tttcagcatt gtctgtttct tctgtaactg attaaatgta 360
agttggatca tatcatgata ttatctctta atctgtcttt catattttta tatatatgct 420
atatttgggg agaactttat agctgttttg tacaaagttc actaattctg tcttctatca 480
agtgcataca ggagtctgtt taaggacttt aaagatgtaa ttctttgttt tctggcttat 540
accatttctg ttgaaaagtc gctatctggc cctttgttgt tcttttgaag gtgattttgc 600
cttcacctgg ctgcttttaa gatttttttc tttttgggtt tcagtagttt tactatgggtg 660
tacttagtat gggtttcttt ttcttttctt gcttggcatt 700

```

<210> 1011  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

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<400> 1011
taaggacttt aaagatgtaa ttctttgttt tctggcttat accatttctg ttgaaaagtc 60
gctatctggt cctttgttgt tcctttgaag gtgattttgc cttcacctgg ctgctttaaa 120
gatttttttc tttttggttt tcagtagttt tactatgggt tacttagtat ggggtttcttt 180
ttcttttctt gcttggcatt tagcttcttg aatttctggg ttgatgtctg atcaattttg 240
gaaatttctc agacattata tcttcaacta ttgtttctgt cccatttttt ctctatctgc 300
tctgagactt cagtaatctg aatgttagaa ctttcatag tgctctatat atctccagtt 360
cttgtgtctc tcatgctttt ttctttgtgt ttcagactag atattttata ctgatctgtc 420
ttgcaattca tttattactt ttgctgctaa acccatctac tgagttctta atttcatttt 480
tcttatattt ctcagttcta aaatatccat tcatgtcttt tttttttttt ttttnccttg 540
agacggagtc tttctctgtc acccaggctc gagtgcagtg gcgggatctc agctcactgc 600
accctctgtc tcccagatta aagcaatttt cccacctcag cctccaagt agttgggatt 660
agaggcacgc accaccacac ccagctaatt tttgtatttt 700
```

<210> 1012  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

```
<400> 1012
aaatatccat tcatgtcttt tttttttttt ttttnccttg agacggagtc tttctctgtc 60
acccaggctc gagtgcagtg gcgggatctc agctcactgc accctctgtc tcccagatta 120
aagcaatttt cccacctcag cctccaagt agttgggatt agaggcacgc accaccacac 180
ccagctaatt tttgtatttt tagtagagat ggggttttgt catgttggcc aggctggtcg 240
caaaactctg acctcaagt atccacctgc ctcagcctcc caaaatgttg ggattacagg 300
cgtgagccac cacggttggc ccattcatgt ccttttaatg gattttaact ctctggagaa 360
tctgtcttct gttttctctg tgtttttctc ggactgataa atcagttatg tgaatttttt 420
tgtccgataa cgccatgatt tccatattct atggctctct ttctattgtc tttttccctc 480
cttagtttct ggatcatttg tccactctgt tgatatgcct ggcaattttt gattgaatgt 540
gtatgacaaa ttgtagagcc tctggatgga taacctcctg cacaaagggc tcaccctttc 600
ctctactatg cagagtgggg atcaatcacc ttaatccagt aaggatctga gctgacttaa 660
aattaagact ggggtggtagt tttcttaaga ctctatctct 700
```

<210> 1013  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1013

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tccactctgt tgatatgcct ggcaatTTTT gattgaatgt gtatgacaaa ttgtagagcc 60
tctggatgga taacctcctg cacaaagggc tacccttttc ctctactatg cagagtgggg 120
atcaatcacc ttaatccagt aaggatctga gctgacttaa aattaagact ggggtggtagt 180
tttcttaaga ctctatctct ggtttaccct tatttcccc cttataggat gtagtcctcc 240
aggattttct aattgagagc ctagtggtgt cactggatct gtttccactg gcagttcctc 300
aactctaatt cttgtcttct cagtaccaga ctcagcccaa aaaattttatc ctcccttttca 360
aagaatttga atttttgaat ctaagcagat attttttgc tacccttctta gccttgcatt 420
ctgcacagcg tcagaattca gaaaatgcct cagtgggtaa acaggctgag tggccaagtt 480
ctccactcct cctctttatt caatattctg agaaactact ggctaatttt ggtttttcaa 540
tgccccctga cactgtcaan nnnnnnnnnn nnnnnnnnnn nnnntnnnan ntnnncattg 600
ctctggatcc tcattcttac cccatggcta caatcagtaa ataataataa taataataat 660
nattattatt attattatna ttattattat tttgaggtgg 700

```

<210> 1014

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1014

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caatattctg agaaactact ggctaatttt ggtttttcaa tgccccctga cactgtcaan 60
nnnnnnnnnn nnnnnnnnnn nnnntnnnan ntnnncattg ctctggatcc tcattcttac 120
cccatggcta caatcagtaa ataataataa taataataat nattattatt attattatna 180
ttattattat tttgaggtgg agtctggctc tgtcaccag gttggagtac agtggtgcaa 240
tctcggtcca ctgcaagctc cgcctcccgg gttcacgcca ttctcctgcc tcagcctccc 300
gagtagccgg gactacaggt gccaccacc acgcccggct aattttttgt attttttagt 360
agagatgggg gttcactgtg ttaggatggg ctcaatctcc tgacctcgtg atctgtccgc 420
ctcggcctcc caaagtgtg ggattatagg catgagccac cacgcccggc cagtaaattg 480
ttaaggata aaagagacta cagacttttg gtcacccac aagatttatc cttcttcagg 540
atcttgatgc tcaaactctt tttgcttcag caattgactg atgtcttcca acaattttta 600
gagattttat tcagctttat tctaggaatg aaaattggtc taccataagc tactctatct 660
tggaagtaga agtggcctat tcatttttta aaaaatcatt 700

```

<210> 1015

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1015

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cagacttttg gtcacccac aagatttatc cttcttcagg atcttgatgc tcaaactctt 60
tttgcttcag caattgactg atgtcttcca acaattttta gagattttat tcagctttat 120
tctaggaatg aaaaattggc taccataagc tactctatct tggaagtaga agtggcctat 180
tcatttttta aaaaatcatt tttcctatac tgatacagaa aaccttatct ttcataatct 240
cttttgttac ctagtataac aagacgcttc acactcatct tgagcatttc tgacattaag 300
catggaatca gccgttaaag aatcttatta tatgttgatg tctgcctatc aatcccagca 360
tggtcctggg aacaagcatg agataacttc tgtcttagag ccagggcact gctttcagca 420
atccttatta attgagcttg gcattaatat gttcactagg gcagtaaaga gttattgagc 480
gtttcattat gcatttggtg ctgtgctagg gatgttacag tctattactg cattcagcaa 540
ctcttcagaa cgaatacata agaagcagaa cgtcagaaaag gttaggtaat atacctgagg 600
tcacatgaag tctcattgct ggtaagtggg ggacctggga atgaaactnt ggcagcttcc 660

```

aaaagccttt gctctaaaac aaaatttata ttttcatgca

700

<210> 1016

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1016

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agaagcagaa cgtcagaaag gttaggtaat atacctgagg tcacatgaag tctcattgct 120
ggtaagtgga ggacctggga atgaaactnt ggcagcttcc aaaagccttt gctctaaaac 180
aaaatttata ttttcatgca tttaacagtt attaaagatt tgatggggaa acataaagac 240
tgtctttatc tttaaagaat tctgagcaat ggaagggact cataaatagg tgtgtgaaat 300
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aaccaagaag ttggcactac agtaggcacc gttggagctg ggtcttgaag tatgagcagg 420
aatttgttta ctgtgctatc ctagtttaaa atacatgcac gtggctttaa aaataaggga 480
caaaggaaat tacctaaat agttgctgtc ccaccttact gccaaactcct agtccccctt 540
cctagaggaa ccttttcaaa ttattttaaa tttttctgcc tattaaatgc ttataaaatg 600
ctgttccttg atttttccac ttcagaaatt tgagagatga tcatttagtt tatattcact 660
atctcccatg gtacctcccc ctgcctttgc cattttttga 700
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<210> 1017

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1017

```
agttgctgtc ccaccttact gccaaactcct agtccccctt cctagaggaa ccttttcaaa 60
ttattttaaa tttttctgcc tattaaatgc ttataaaatg ctgttccttg atttttccac 120
ttcagaaatt tgagagatga tcatttagtt tatattcact atctcccatg gtacctcccc 180
ctgcctttgc cattttttga tagttatatt ttgtatagtc ctctcttggt tgcctggcaa 240
cataaatttt tttgtttggt taaaactaag atggtgagat gaagatctaa actagaattt 300
taccaaacaa atgatcacta ttgtctagcc aagttgacac atagaattaa gtatcatata 360
cccttttgtc tcccaactgc cggtcagtta tgctttggac attatttttag tagccatagt 420
aagttgcttc taaaagtga aaacacaaat gttatgtttc ttaatttcgt tgaattagtc 480
actataatgt tgatgtagct aatcataaaa aggaatttgt gtcttatttg tctaatagaa 540
ttcaaaatga atttataatg tatataattt gatagggcta caataacaaa ataccacaca 600
ctgggtggat caaacaaaag gaatttgttt tcttactggt ccagaggcta gaagtctagg 660
atcaagggtg caacagggtg tgtttcttct gaggcctcac 700
```

<210> 1018

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1018

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aatcataaaa aggaatttgt gtcttatttg tctaatagaa ttcaaaatga atttataatg 60
tatataattt gatagggcta caataacaaa ataccacaca ctgggtggat caaacaaaag 120
gaatttgttt tcttactggt ccagaggcta gaagtctagg atcaagggtg caacagggtt 180
tgtttcttct gaggcctcac tgctggctt ggtctgtgtg ttgtctatgt cacctcttgg 240
tctatgtgtt gtctatgtca tatcggatta aagcctgcac atatgaactc attttacttt 300
aattatgtct ttaatgccct gttgccaaat acagtcacat attgggttag gacttttagc 360
tatgaatttt gggagaacac ataaaactac taggaaatca tgtagatct gatatactat 420
tgagactaaa gcaaaatact tttccttact ctttgtacat cagatatagc ccatcatgaa 480
```

```

caaatgtatc tgattattaa gtatgtttgc ataagaataa tgtcataaca ctagaagttt 540
tttatTTTTga gaaaagagat ataggctctt atgaaattat taataaattg aaaaaagata 600
ttgacataaaa atatctttga ggccatggat ataattggac aaatacagca ggtgtgtata 660
taaggggtgga aaagccatta ttttcccca aaatggttat 700

```

```

<210> 1019
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1019
gtatgtttgc ataagaataa tgtcataaca ctagaagttt tttatTTTTga gaaaagagat 60
ataggctctt atgaaattat taataaattg aaaaaagata ttgacataaaa atatctttga 120
ggccatggat ataattggac aaatacagca ggtgtgtata taaggggtgga aaagccatta 180
ttttcccca aaatggttat gccaaataag ttcataatct gtgcaaaaat gctgcttcta 240
tgaattaaaa tataaccttt ttagtgtgta caaatgatac ataatctttt atgaattcat 300
tgagcagtgg aatgttatgc ttgttctaaa aactacatta aaaacaaatc ctgagaggca 360
tcaaagtcaa atatgatcaa ggtactttac acaaagatgt ttgtcaaata ttaaaagaac 420
ataaaatgac aaaatacaat atcctgaaat aggaaccatc tttgtgtgaa cagattacaa 480
atTTTcatgt aacttgtcta tgtggcatgg catTTTgaac taaatatagt agaaaaaggt 540
ttatgaaaaa aaagactata tacaaagctg catgcttaag aaaaggccta ttcgTTtgct 600
tataacaaat gagngnaagt aacttaangt tatgtttcgt taatgtaana ctttaaangn 660
gntataantn tacttnangn naaatcagaa atatacaaat 700

```

```

<210> 1020
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1020
tgtggcatgg catTTTgaac taaatatagt agaaaaaggt ttatgaaaaa aaagactata 60
tacaaagctg catgcttaag aaaaggccta ttcgTTtgct tataacaaat gagngnaagt 120
aacttaangt tatgtttcgt taatgtaana ctttaaangn gntataantn tacttnangn 180
naaatcagaa atatacaaat tactgaatga gtatatcaat tattgtggga aaagtgttcg 240
tcgaatagaa attaaagaga ttacagatgt cctagagatg gagatatgaa aaatcaaatg 300
aagtatTTTT gtatTTTTac ttggagaaat tttctacgaa tacatctgat taacaaaaag 360
cagccatggc cttgacttac ctcttaaata gtccaatgat ttatatcctg tggcaatttc 420
atctgaaata gtggtaaata gcatgcaata tcaatagttt gcatgaacaa atgtgaccct 480
gaaagagcca gtccctcaag atggatctta agtggctgag tgggcctaaa tttaaagcag 540
agccaagaag ccatttggtg actagaggcc acacacctat tttgagttcc ctgaaaaccc 600
acacctcttt aactttggaa ctttcagagc tcacctgaac cagccaatca gagcccacct 660
cccttgctgc tcagttgtat caaccaatca gaactgtgtt 700

```

```

<210> 1021
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1021

```

```

atggatctta agtggctgag tgggcctaaa tttaaagcag agccaagaag ccatttggtg 60
actagaggcc acacacctat tttgagttcc ctgaaaaccc acacctcttt aactttggaa 120
ctttcagagc tcacctgaac cagccaatca gagcccacct cccttgctgc tcagttgtat 180
caaccaatca gaactgtgtt tccatctcat ttgtatcagt gcacctgatt gggaaccagg 240
gcaggaactt ttgctataaa gctagaaccc ttcccttggt ctttggaccg caccttcctt 300
ttacattgaa ggctgtgttg gactccctag tttgcaaact attcactgga ataaagtctc 360
tttcttccag ggaacttttg ttcacatttg taatataaaa tcatgatgtt tgtatcctct 420
aaaacggatt tgcaaatttt tcttcgggca gccttaccca aatttcaaaa tggtcctgat 480
aattttttta aaacaatacc agtcacagtg tgatatagtt tggatctgtg tccccaccaa 540
atctcatgtc aaattgtaat cttcagtggt ggcatgggc ctggtagtcg gtgattagat 600
catataatgg aggcggctct tcatgaatgg tttagcacca ttcccttggg gctgttctct 660
tgatagtgag ttattgtgag atccggttgt taaaagtgt 700

```

```

<210> 1022
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1022
agtcacagtg tgatatagtt tggatctgtg tccccaccaa atctcatgtc aaattgtaat 60
cttcagtggt ggcatgggc ctggtagtcg gtgattagat catataatgg aggcggctct 120
tcatgaatgg tttagcacca ttcccttggg gctgttctct tgatagtgag ttattgtgag 180
atccggtgtt ttaaagtgt gtatacactt tgggaggtcg aggcgggcgg attgctttga 240
gctcaggagt tcaagaccag cctaggcaat atggtgaaac ctcatcccta caaaaactac 300
aaaaattaac tgggcatagt ggctcactcc tgtagtccca gctactcagg aggctgaggt 360
tggaagaatt cctgagcccg ggaagtggag gctgcagtga gccaaagactg tgtcactgca 420
caccagcctg ggtgacagag acctgtctca aaaagaaaat gtagcacctc ctctctctct 480
ctctctctgt ctctctcact gtctcgttct cttgctcttg ctccctctcc agccatgtaa 540
gatgtgcttg cttccccctt gccttttagc atgattcata gtttcctgag gcctctccag 600
aatggaagc cactacactt nctgtacagc ctgtagaacc atgagccaat aaacctcttt 660
tctttataaa ttaccattt tcaggtattt ctttatggca 700

```

```

<210> 1023
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1023
gtctcgttct cttgctcttg ctccctctcc agccatgtaa gatgtgcttg cttccccctt 60
gccttttagc atgattcata gtttcctgag gcctctccag aaatggaagc cactacactt 120
nctgtacagc ctgtagaacc atgagccaat aaacctcttt tctttataaa ttaccattt 180
tcaggtattt ctttatggca atgcaagaac agaccaatgc accatgggat cctgcaaaaat 240
cctgaagtta attaagaatt atttaagagg cgcgggtggc cagcctgta atcccagc 300
tttgggaggg tgaggtgggn ggatcaggag gtcaggagat tgagaccatc ctggctaacg 360
cgggtgaaac ccgtctctac tgaaaataca aaaaattagc cgggcgtagt ggcgggcgcc 420
tgtagtccca gctgcttggt aggtgaggtc aggagaatgg cgtgaacccg ggaggtggag 480
cttgcatgga gccgagattg cgccactgca ctccagcctg ggcgacagag cgagactccg 540
tctaaaaaaa agaacattat ttaagatcgt cacttaagaa gagtagattt tgacaatttt 600
attgatcagt ttacttccat taaagtcatt ggtataaaat atttaaactt aatatgagtt 660

```



ttaatatatacc aacttttcaat attgtcaacc aattttaatgt

700

<210> 1024

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1024

```
cgccactgca ctccagcctg ggcgacagag cgagactccg tctaaaaaaaa agaacattat 60
ttaagatcgt cacttaagaa gagtagattt tgacaatttt attgatcagt ttactttccat 120
taaagtcatt ggtataaaaat atttaaactt aatatgagtt ttaatatatacc aacttttcaat 180
attgtcaacc aattttaatgt gtaaaaaatta acaaaaacac gaaaacgtac gtaagaagca 240
tacgtttttc attttgcctc aggcttcaat atagtttggc acagcactgc tcttaagttt 300
ccaaacttgg cattttgnct ccaatattag atttgccaga ttcagcaaata gaaaatacaa 360
gtaacaccca gtttaacttt agataaataa cacataattt ttgcatagga tatatgcata 420
ctaaaaagtt tgttgcttat ctgaaattta actgggcatt ttgtataata tctggtaatt 480
ctaaaaataa ttatcttaca tggttgaaaa agctgcctgc ttcttagtac aatgtaactg 540
ttgcaccaac accgtcttgc ctgtttgatt gctgggttatg tggatgactg aagcgcanac 600
anggggaagtc atatggnttn tgtgtcacan tgtccagcnt gtaggtatgt ccagtcctta 660
ccaggtntag aagaacacag cagcctcact ccatccgagg 700
```

<210> 1025

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1025

```
tggttgaaaa agctgcctgc ttcttagtac aatgtaactg ttgcaccaac accgtcttgc 60
ctgtttgatt gctgggttatg tggatgactg aagcgcanac anggggaagtc atatggnttn 120
tgtgtcacan tgtccagcnt gtaggtatgt ccagtcctta ccaggtntag aagaacacag 180
cagcctcact ccatccgagg gcagaggagc gagcatattc cccantgcca tgaccctctc 240
cccagctccn tctgnttcag tcacactgac ggccccagta cattcgtgnt tgttggctct 300
tctgcctgga aggtaccaat acctagtagt ttntaccctc attcctttca agactgatca 360
aagattacct tatccaaaag agttcttctt gtttactgc tgtgctgctc gggctagtct 420
ggaattcctg gctcaagca atcttcccaa gaggttctc ccttccctcc tccctccctc 480
cctcccttcc ttccctttct ttogacagtc ttgctttggt gccagggctg gagtgcaggg 540
gcgcagtctc ggctcactgc agccactcc aagaggcctt catgactact acgaaggatt 600
tgcgttctca ttctcttctc ccttagcctg ttttctttct tttttctttt tctttttctt 660
tttttttctt tttgagatgg agtcttgctt tgtagccag 700
```

<210> 1026

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1026

```
ttogacagtc ttgcttttgtt gccagggctg gagtgcaggg gcgcagtctc ggctcactgc 60
agccactcc aagaggcctt catgactact acgaaggatt tgcgttctca ttctcttctc 120
ccttagcctg ttttctttct tttttctttt tctttttctt tttttttctt tttgagatgg 180
```

```

agtcttgctt tgtagcccag gctggagtgcc aatgggtgcga tctctgctca ctgcaacctt 240
cgtcccctgg gttcaagcga ttctcctgcc ttagcctccc gagtagcttg gattacaggt 300
atgcaccacc acgcccgcact aatttttcta ttttttagtag agacagcggt ccaccatgtt 360
ggccaggctg ctttccgata cctgacctca agttatcctc ccgcctctgc ctcccaaagt 420
gctgggatta caggcgtgag ctaccacgcc cagccctggt ttatttttct ttagagcact 480
tatcactgag gtaaaagggt ggacttgact ccagacgcag gcgtcggaca ccggaccaga 540
ttgaggactg gctaaaacag ggccagggcc aaagtagctt tcaatcagcc caccaggggtg 600
ctacgtcggg ttgcagttgc tatgacaaca ccctggcggt agggccctt tccatggtaa 660
tgacccaatg accccaaagt tactactcct tctctggaag 700

```

<210> 1027

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1027

```

ggacttgact ccagacgcag gcgtcggaca ccggaccaga ttgaggactg gctaaaacag 60
ggccagggcc aaagtagctt tcaatcagcc caccaggggt ctacgtcggg ttgcagttgc 120
tatgacaaca ccctggcggt agggccctt tccatggtaa tgacccaatg accccaaagt 180
tactactcct tctctggaag tgtctgcata aacctcccct taatctacat gtaattaaaa 240
gtagtaataa acatgactgc aaaactgccc tgagctgcta cccactgtca atggggtagc 300
cctgctctgc ctcttcaaga aagctgtttt cttctacctc tggcttgccg ttgaattcct 360
tcctgggcaa agccaagaac tctcgtgggc taagctccac tttggggctc acctgccccca 420
catcactacc acccgtaag agatttaatt tgggtatcag ttcgtggtct gtctccccc 480
tggtatagaa ggctccttgaa ggaaagaact ttgcttttcc acttctctat cccagtgcc 540
cagaatgggc ctttggaag catcgagcag cctctcttgc tcagtgggca ctgaaatggc 600
actcggagct cagtaccag ataaaggaca cccccagat aaaggacacc accccttccc 660
ccgcgcaggc ctcgggaaag ggcgaggccg tgcaggcca 700

```

<210> 1028

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1028

```

ggaaagaact ttgcttttcc acttctctat cccagtgcc cagaatgggc ctttggaag 60
catcgagcag cctctcttgc tcagtgggca ctgaaatggc actcggagct cagtaccag 120
ataaaggaca cccccagat aaaggacacc accccttccc ccgcgcaggc ctcgggaaag 180
ggcgaggccg tgcgaggcca caggaagggg cgtggcctct gaggacctgg gggcggggtc 240
tggcaggggt agaggtttct ggaaaggcct ttgacctgtg ggcgtgttcc tagaggtcag 300
gtggtgagaa tggcggggtc agcggacagc agtggggcta caggctgtgt ctgtggctgc 360
cctggcttag ggctctggct ggccccctct ttccgacctg gtctggcaga gcagccccgc 420
aggaccagct cgcaaggctc ctggggccag tggggctctg tcctgtgagg cggctccctcc 480
gcaaggacag agtcagagag aggtggtga gtcaaggatg tgctctgagc gggggtctgg 540
gtgctgcaaa tgatgtcttg gacgtaatat ctaaggctga cgctactttg aagaggttta 600
acttttgtga agattcttta ttctaaactc gggggaaact tttttttttt gatctgcagt 660
caaatgctct accactgagc tataccctt ctgccaactt 700

```

<210> 1029

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1029

```

aggctggtga gtcaaggatg tgctctgagc gggggtctgg gtgcgtcaaa tgatgtcttg 60
gacgtaatat ctaaggctga cgctactttg aagaggttta acttttgtga agattcttta 120
ttctaaactc gggggaaact tttttttttt gatctgcagt caaatgctct accactgagc 180
tataccctt ctgccaactt tttttttttg taaagcattt ggggggttg agaagataag 240
tggtaggaaa ggccatgggt atttggcaag ctcaaagttt tttgttttta aggcactttt 300

```

```

cagtgtcttt ctgaaagtgc gtttataaca tggaggatca gccccctccc cacaccccag 360
cttggctctc ccttctctta ctcttctctg aaaagtccat ctctttctct tgaaatttgc 420
agccaacgga gcctcactaa agtaatgacc caaactgctt ttgtacccag tgggctcaca 480
gctgtcatct tgccctgctt tttgatttca agaagcttaa ggcaagctgc ttatgctaga 540
tttactgtcc tcaccttcca ttcttaaatt tttgacgcag tgagtctccc ccaactaatt 600
ctctggaatt gtctggtaaa gtgttctggg tcctcctagt ggccaaaccc agtagacact 660
tcggacagtt tttttttttt cctctagcga agcacttctg 700

```

<210> 1030

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1030

```

tttgatttca agaagcttaa ggcaagctgc ttatgctaga tttactgtcc tcaccttcca 60
ttcttaaatt tttgacgcag tgagtctccc ccaactaatt ctctggaatt gtctggtaaa 120
gtgttctggg tcctcctagt ggccaaaccc agtagacact tcggacagtt tttttttttt 180
cctctagcga agcacttctg gattcaagtt ctcttttatt tccggcctcc ctggctcctt 240
ttcatcagcc taggcttctc atatatatgt tccttagtct agtttgtttc cttttcacgg 300
tagtactgta tgctatagga ggaaggatct ttacttccac tgctttaaca tgtatatgtt 360
tatgatttat tgaattgtct ttttgtactc aaatctttct cttgagctct gttttagacc 420
cttatatcca ncnttctaga ggacataccc acctggacca acatctagaa taggtgtcag 480
aaattattca acaaagatgc acaaataggg cctgatgtag gaaaaatata attacaaatga 540
ctgttaacct tttggggtga cagaccctct tgagacccat atgaaatttc agggctctta 600
tccttttaaa aagtgcacac aaaattttgc ctgtttcaaa gcttcctaga ctttctgtag 660
ttcaagaatt tgaggctttg gtttagagctt cctgatatga 700

```

<210> 1031

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1031

```

acaaataggg cctgatgtag gaaaaatata attacaaatga ctgttaacct tttggggtga 60
cagaccctct tgagacccat atgaaatttc agggctctta tccttttaaa aagtgcacac 120
aaaattttgc ctgtttcaaa gcttcctaga ctttctgtag ttcaagaatt tgaggctttg 180
gtttagagctt cctgatatga taatgataaa atgaaaaagt gtgttttcac agataagcat 240
cagatttnga aacttacaat gggaatgcat tgatttccag ccgtcatcaa acgttaaccc 300
tgattaatca catcaggctg atttatggaa acattgtctt tagcagtagc aacatagaat 360
gaaaaatctg gagccctaga gttgaaatat acccagcag actccctgtg gctaaaatga 420
gacataccaa aaccagaatc taacggccac agcaagatga gggcttggtc atgtatccct 480
gtgttactaa ctaccataag gttttctttc ctgtaagcag aaaccaggtc ctgaaaaaca 540
tcacagaaac tacagctgga aatttcctgt tgaccctgat agactactac ttgacaccag 600
ccgaccgatc tgctggctgc ccaccatggt cctgccacaa ttctgatggg acagagaatt 660
ggccttactt tctttcctga taaatagcca tagacctcaa 700

```

<210> 1032

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1032

```

gttttctttc ctgtaagcag aaaccaggtc ctgaaaaaca tcacagaaac tacagctgga 60
aatttcctgt tgaccctgat agactactac ttgacaccag ccgaccgatc tgctggctgc 120
ccaccatggc cctgccacaa ttctgatggg acagagaatt ggccttactt tctttcctga 180
taaatagcca tagacctcaa gccagccagt tttggccagc ttatagagac tgtacacaaa 240
ctgtctttgt gccctgtagt tcaccttttt gatgcaaaga gccaaattca ccttacttta 300
atgctaaaac cccaccccaa agtgaacatg gaatgcatgt tacatatatg tttaccact 360
gcacacatgc ttgacttccc tcatgaatat tcacagatcc ctttaagcct gctaaatata 420
acccagctaa tttttatatt tttggtacag atagggtttc atcatgttgg tcaggctggg 480
cttgagctcc tgacctcaag tgatccaccc gcctcggcct cccaaagtgc tgggattaca 540
ggcgtgagcc accgcgcccc gcctcatgat gatttctaaa cacagattcc cctgatccat 600
gtgggcgtgt gtgtatggcg gcggcaattt taggagtcaa ctataacaag gtcccaagga 660
agtgagaggg gagccaagct ccaggggaca gaagagggaa 700

```

<210> 1033

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1033

```

tgatccaccc gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc accgcgcccc 60
gcctcatgat gatttctaaa cacagattcc cctgatccat gtgggcgtgt gtgtatggcg 120
gcggcaattt taggagtcaa ctataacaag gtcccaagga agtgagaggg gagccaagct 180
ccaggggaca gaagagggaa gggaagggca atgggtgagtt tcttttttag ggcccatggt 240
gtatgcagga aacacttccct ccccattttg tactttggtg tgtaatgaaa tagccaagca 300
acacttttct ctttttctga acttgctgag gaaaaaggaa aaaagggatc caaatctatc 360
tgtcttggag caaagatgac agaattgcag gcagtgcacat gatcaaatgt gctgaggaca 420
ggagcaaaac acgcacaccc tggagtatcc ctgtaaggca taaataccag cttcctattc 480
ccttttggag tatgtccttt tggttttcct gggagggttc attccccaat ttgtagattg 540
tttctccctc tgaaaatagt tttttttccc ttttcttctc ctgtgcatct catggctctt 600
tgttaacatt tcaaagagag tttctgatta actgtgggtt gcatgtttca cagtccaaat 660
agccttagcc tggtcagaga ccagggcctg cttcagataa 700

```

<210> 1034

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1034

```

tggttttcct gggagggttc attccccaat ttgtagattg tttctccctc tgaaaatagt 60
tttttttccc ttttcttctc ctgtgcatct catggctctt tgttaacatt tcaaagagag 120
tttctgatta actgtgggtt gcatgtttca cagtccaaat agccttagcc tggtcagaga 180
ccagggcctg cttcagataa tttacgaagt tggtgctatt aagagtgtaa cctggctggg 240
tgcagtagct cacgcctgta atcctagtac tttgggaggg cgagggtggg ggatcacttg 300
aggccaggag tttagacca acctgaccaa catggtgaaa tcccgtctct actaaaaata 360
caaaaaaatt agccaggcgt ggtggcacac ttctgtgatt ccagtgactt gagaggctga 420
ggcaggagaa ttgcttgaac ctaggagtng gaggttgacg tgagccaagg ttgcgctact 480
gcactccagc ctgggcgaca gagtgcagct ctcttggggg aaaaaaaaga gtgtaatctg 540
ctccctcca gctggacggg aatacagata aggttttgag gcctgggtgcc ttgtaggagc 600
cctgagtgat caggcagtcg tagaagtgca tgagggtgcca ggggtttcct tccagcagaa 660
cttgccctct ttatttgttg ggccagtgac ttctcagttc 700

```

<210> 1035  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1035  
 gagtgagact ctcttggggg aaaaaaaga gtgtaatctg ctcccccca gctggacggg 60  
 aatacagata aggttttgag gcctgggtgcc ttgtaggagc cctgagtgat caggcagtcg 120  
 tagaagtgca tgaggtgccca ggggtttcct tccagcagaa cttgccttct ttatttggtg 180  
 ggccagtgac ttctcagttc cagagttatt gccttgatgg tccatgagtg ctgttttgag 240  
 attgaccccc actctctctt gaatgaaata tatttcattc cttttcttct tgtattgata 300  
 tgttaaatatt tatttttttaa taaagggtgag atctaaggag acattatcca ctttgtttaa 360  
 acccttctct tggctgccat gatccaacta tcttctgggt tttcttctat ctctgcctac 420  
 aacttctcaa taccgtagtc tcctgtggcc ctcccttccc aatcctcagt tatggctcag 480  
 agtttcttta tagccatttt tttttctctc gaaggctcat gacttccaaa tacttgatat 540  
 tccaaatact tgatatcagt atattgatat tgataactct tgagtcttta attctagctt 600  
 ttattacttt ccaacttcca gctccagctc tacttagatg gcccgaagt tcttccattt 660  
 taatagatcc ctaaccaggt tcattatact tcccttaaat 700

<210> 1036  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1036  
 ttttttctct gaaggctcat gacttccaaa tacttgatat tccaaatact tgatatcagt 60  
 atattgatat tgataactct tgagtcttta attctagctt ttattacttt ccaacttcca 120  
 gctccagctc tacttagatg gcccgaagt tcttccattt taatagatcc ctaaccaggt 180  
 tcattatact tcccttaaat gggttcctatt tctgttttac ttatctttgc aaatggcaaa 240  
 aatgactgat cattctccta gcctcagcta ggaggcgatt ctctcttctt tcttccactgt 300  
 tcttgataac tattcatgtg aacttccctt ttcactttgc ttggtatttt tccccactgt 360  
 ttccaggaaa ttggttaact gtttctattt tgctcttaat ctttagagca accttagagt 420  
 ttaggtatat agttcccatt ttactcatga gaaaacaggc ttacttttaa aattattaat 480  
 tacacaaaga aaatgtacat gcatgttacc tctaagcaaa tttaggcaaa acagaaatag 540  
 aataaaatat tacagtgcc cctccctccc attactctcc tatgtcttta gcagtgggtc 600  
 tcagctgggg agattttgtc ccctagggca gtggtcccca gacattttgg caccagggac 660  
 agtttcatgg aagacaattt ttccatggac gggggttggt 700

<210> 1037  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1037  
 gcatgttacc tctaagcaaa tttaggcaaa acagaaatag aataaaatat tacagtgcc 60  
 cctccctccc attactctcc tatgtcttta gcagtgggtc tcagctgggg agattttgtc 120  
 ccctagggca gtggtcccca gacattttgg caccagggac agtttcatgg aagacaattt 180  
 ttccatggac gggggttggt ggggatgct ttcagaatga aactgttcca ccttagatca 240  
 tcaggcatta cactctcata aggagcatgc aacctacatc cctcgcatgt gcatgcatag 300  
 ttcacagtgg agtttgctg gctatgagaa gttaatgttg cagctgatct gacaggaggc 360  
 agagttcagg cagtaatgct cactcgctct ctgctcacct gctgtgcagc ccggttgcta 420  
 acaggccact gaccgttact gatttgcagc ctgggcattg gggacctctt ccctaggaga 480  
 tatttgacaa ggtctggaga caattttgat tgcttggact taggggatac tactggaata 540  
 aaactaccta ttgggcacta aaatatatat atataaatat atataatata taaaaatata 600  
 tataaatata tatgtaatat ataaaaatat ataaaaatat atataatata taaatatata 660  
 taaatatata taatatataa aaatatatat aaatatatat 700

<210> 1038  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1038  
 caattttgat tgccttgact taggggatac tactggaata aaactaccta ttgggcacta 60  
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 ataaaaaatat ataaaaaatat atataaatata taaatatata taaatatata taatatataa 180  
 aaatatatat aaatatatat aatatataaaa aatatatata aatatataaaa atatatataaa 240  
 atatatataaa atatatataaa atatatataa tataaaaaata tatataaaaaa tatatatataa 300  
 atatatataa atatatataa tataaaaaata tataaatata taatatataa atatatataa 360  
 tatataaata tacaatatat aaatatataa atatatataa tataatatat attatatata 420  
 atatatatat tatatatatt atatatataa tattatatat aatatataat atatatataa 480  
 tataatatat aatttatatt tttaaatata tatttttaaat atgtttaata tatattatat 540  
 atttttaata tatataatat atattaatat atatttttaa tatataatat atattattta 600  
 atatatataa tatattttatt atattanatt atattaaata tatattaatt atattaatat 660  
 atatttaata tattaatatata tatttaatat atattaatat 700

<210> 1039  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1039  
 tttaaatata tatttttaaat atgtttaata tatattatat atttttaata tatataatat 60  
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 atattanatt atattaaata tatattaatt atattaatat atatttaata tattaatatata 180  
 tatttaatat atatttaatat atatttttaa tatatttaaat ataattaata ttaatatatat 240  
 taaatatataa aatatattta aatatatatt ataatatata tataaacaac accatcaccc 300  
 acagttccca ttacctgttt atagtcttgt ttccttcctt tgttcttaac accttctaag 360  
 gtatttatatc attaccttat tatgtttatt gttatggttt ggagatatatt tcaaattttt 420  
 actctgtatg atatgtattt ggcacagtat tcaacaaaat actgtatttg gaatccaagt 480  
 gtttatttatg gcttttttaa aaaaattaat acataganta aaaataaata cataacgcta 540  
 gccaaataaaa tatggatttt gcaactgtaat tgtaaaaaaa tgtgttttgc actggtaatc 600  
 caaaggaaac aaaataaaaa taaaaaaaat aattctccta tcccaaagt cagtagtgcc 660  
 cagggtgaaa aactgctctg gaggtaattc gttatatatc 700

<210> 1040  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1040  
 aaaaattaat acataganta aaaataaata cataacgcta gccaaataaaa tatggatttt 60  
 gcaactgtaat tgtaaaaaaa tgtgttttgc actggtaatc caaaggaaac aaaataaaaa 120

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taaaaaaaat aattctccta tcccaaagt cagtagtgcc caggttgaaa aactgctctg 180
gaggtaatct gttatatatc attttccata actacactat ccaatactgt aaccactagc 240
cacgtgaggc tatttacact gaaattaatt aaaattaaat aaaaattctg ttcctcagtg 300
ctattaagta catTTTTaag tgttcaatgg ccacacatgg ctacagaatt aaacagcata 360
gattatagaa catttcaatg attgcagtaa gatttggtgg acagtgcctt aggtatatat 420
cacgcaaata gatgttctgt ttacataaaa tagaatcata catactgttc tatagtTTtg 480
ttaatatgtc ttgaagattt ttccatctaa gtatatataa ctaaaatatg tactaagtac 540
atataactaa atattttaagt ttaatggtct gtgatatagt tcagttttat taaattcata 600
aattttaattt attacagcaa tgtagtttaa ttttgccctt ttttaagttt atgtgtatgg 660
actcatataa tacatattat ttttatccag tttattttac 700

```

<210> 1041

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1041

```

ttccatctaa gtatatataa ctaaaatatg tactaagtac atataactaa atattttaagt 60
ttaatggtct gtgatatagt tcagttttat taaattcata aattttaattt attacagcaa 120
tgtagtttaa ttttgccctt ttttaagttt atgtgtatgg actcatataa tacatattat 180
ttttatccag tttattttac tcaatgctat gtttttaaga tatatccatg ttatttctgt 240
atatctatag ttattccttt taagtgcctt atgggtattcc attggatgac cataccatag 300
gttggtttatc catttgactt ttgtgggcat ttgagtttct tccagtttgg ggatataatg 360
aataattctg gcatgaatat tctgtactta tttcctgaaa gtatatTTTT atgcagggtta 420
tacatgggaa tgggaattatt ggtccactga aatttactag attatgccac tttcttaaaa 480
tagttgcatt cttcttctta ttattatttt tgagatggag ccttgctctg tcgcctaggc 540
tggagtgcag tgggtgtgatc tcagctcact gcaactttca tctcctgggt tcaagcgatt 600
ctcctgcctc agcctcctga gtacatggga ttacaggtat gtgctatcat gcccagctaa 660
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```

<210> 1042

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1042

```

ttattatttt tgagatggag ccttgctctg tcgcctaggc tggagtgcag tgggtgtgatc 60
tcagctcact gcaactttca tctcctgggt tcaagcgatt ctcctgcctc agcctcctga 120
gtacatggga ttacaggtat gtgctatcat gcccagctaa tttttgtatc tttggtagag 180
atggggtttc accatgttcc aggcctagctc tgaactcctg acctcaagtg atctgcccgc 240
ctcggcctcc caaagtgttg ggattacaga cgagagccac gttgcctggc cgcatttttt 300
tcttaatagc agtatgtgag agttcccttc taaactgcat cctaagcagt atctttgtat 360
ttgtcagact tttaaagtcc aaacttctct gtggcatgtg gttgtatccc atagttttat 420
tttgcacttc tttgattatg aatgatacag aacactttca tatatttatt agtcttttga 480
atattttctt ttatgagttc tttttgagtc tctagaccaa ttatctattg agttgtttta 540
ttaattttgta gaaagacttt gtatattctg gatacaagcc ttttattggg tgtatatgtt 600
gtgtagatat tctccacctt tagtggctgc ttgccttttc tgtctctctt aatgggtgatt 660
tttgatttgt tttgagaaat atcaaccttt cttcttaaga 700

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<210> 1043

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

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<400> 1043
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gtatatctcg gatacaagcc ttttattggg tgtatatggt gtgtagatat tctccacctt 120
tagtggctgc ttgccttttc tgtctctctt aatgggtgatt tttgatttgt tttgagaaat 180
atcaaccttt cttcttaaga ttattcaata acagcaaagt aacaatgaga aactactgtc 240
agtttaagtg ggttttagctc ctcagttcca aggtatataa tcacttaaat ataacctgga 300
aaaaaaaaa aaaatatttc tctaaatcat ggtcttttga aaaaaatgaa ttaaactcttc 360
tctgttctct catattgtat tccaattntg gatgtagcca ccagttagat agcaaagtgc 420
taaatgttga tacatcactt aaatatttag aacgtcattg gtttcttcaa acagtggaaa 480
attcttgcca tgcctacctt atagactttg tataatgcta ttatcaatgc tagctgatac 540
taacttagaa gatgattata cttttttaa cagctcttcc tctcctgggt ctacaataag 600
acactgactc caccacatac tggatgacct agagcaagtt aacttaatga cactgtgcat 660
taatttactt tgctataaca atgggataat atatcaattc 700

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<210> 1044
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 1044
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ctttttttaa cagctcttcc tctcctgggt ctacaataag acactgactc caccacatac 120
tggatgacct agagcaagtt aacttaatga cactgtgcat taatttactt tgctataaca 180
atgggataat atatcaattc atgttattat tgcagctatt gttcagatag aacaattgag 240
agaatttata aacaaaatga ctaagcagat gagttagttt tcctaattgg ccagcttaag 300
ggagagagtt ataagggcta tagagttcta gatgaaatta taacatcacc tcaaagagag 360
agcaacttac ctctggctag gctttcttcc tgaagtgttt cttgggagag ggtgagcaga 420
gtgggtcaaga gcctatctat ttatttcagt gggctaagca tagatgtcct tgagangaag 480
acttccttgg tccttttaggt aatgtaagtc cttcaacttc attctttttc aaaattgttc 540
tgactattct gggtcccttt tatttccatg tgaattttag gatcagcttg tcaatttctn 600
caacaagccc agctaagatt ttgataggtt ttaccttggt cttgctctta ggagccaagc 660
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<210> 1045
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 1045
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tatttccatg tgaatttttag gatcagcttg tcaatttctn caacaagccc agctaagatt 120
ttgatagggt ttaccttggt cttgctctta ggagccaagc agcccatctt tcaccattaa 180
gtatgatggt agttgtgaga gtttcgtatc tgtctttatc acattaagaa tgttctcttc 240
tattcctagt ctgtggagag gttttttgtt tgtttgtttg tttgtttgtt tgttttttta 300
gacagagtct cactctgtca tccaggctgg agtgcagtac aatctctgct ctctgctctc 360
tgcaacctcc acctcccggg ctcaagtgat tctcctgcct cagtctcctg agtagctggg 420
attacagggt tgcgccacca catccagcta atttttgtat ttttagtaga gacgggggtt 480
taccgtgctg gccaggctgg tttcaaatc ctgacctcag gtgatccacc cgcgttggcc 540
tcccaaagtg ctgagggtac aggtctgaac catcatgccc agcctagatt ttttttttaa 600

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```

aatcataaat aggtgttgaa ttttgtcaaa tgcctttcct gcgtctgtgg aaataatcat 660
gtgtccttta ttctatatag tctcttacat taattgcatg 700

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<210> 1046

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1046

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tttcaaattc ctgacctcag gtgatccacc cgcgttggcc tcccaaagtg ctgagggttac 60
aggtctgaac catcatgccc agcctagatt tttttttaa aatcataaat aggtgttgaa 120
ttttgtcaaa tgcctttcct gcgtctgtgg aaataatcat gtgtccttta ttctatatag 180
tctcttacat taattgcatg ttaaaccaac ctcatattct tgcagaaatc tcacttggtc 240
atggtgtata cattcttttt acatattcct ggatttagtt tgctaataat taaggattct 300
catgatgatg ttcatgaggg ttttgtagtt ttctttttgt atgatgtctt tagctttggg 360
attagggttaa taaacatctt agatttagtt gggatctgtt ctcttctcta ttttctgaag 420
actttgtgaa ggattagcat ttttttttgg ttaaatattt gataaaattc accagtgaag 480
ttatctgggc ctagaattct ctttatggga agattttaca tttctaattc agtttcttta 540
ctttttatag gcctattttag attgttctgt atatttttta gttcattttg gtaatttgta 600
cctttntagg aactttttcca cttcatatta gttgcctgct ttggtggcat aaagatgttt 660
acagcatttc cttgtaattt ctataggatn cagtagtcta 700

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<210> 1047

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1047

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ctttatggga agattttaca tttctaattc agtttcttta ctttttatag gcctattttag 60
attgttctgt atatttttta gttcattttg gtaatttgta cctttntagg aactttttcca 120
cttcatatta gttgcctgct ttggtggcat aaagatgttt acagcatttc cttgtaattt 180
ctataggatn cagtagtcta ttctttcttt cgtcccttta ttgggtaatt tttatcttct 240
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gccttttagg ttctttgggt ttctctattt ttccattttc tattttgttg atttctgctc 360
ttatccttat tatttcattt attttgcttg ctttgatcat tttaacttgc cctcctttt 420
ttagtttctt aagggtgagag cctgggttat tgattagaga ctttttttta aatataggca 480
tttaaagcta tacattttct tctaagtacc acttgaaact gcatcccata aattttaata 540
tattgtagtt ttgtttttat ttagtccaat atatatttta gttttcatng tgaattcttc 600
tttgacctat gggttattta gaagaatgtt gttcaatttc caaatatttg aagatattca 660
agatttcttt ctatttttta tgtttaattc catgtggttg 700

```

<210> 1048

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1048

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ttagttcaaa atatatttta gttttcatng tgaattcttc tttgacctat gggttattta 120
gaagaatggt gttcaatttc caaatatttg aagatattca agatttcttt ctatttttta 180
tgtttaattc catgtggttg gacagcatat tctgtatgag ttaaactctt aaaatttatc 240
aggacttggt ttgtgacctt acatatgggt tttcctggag gatgtctgtg tgagcttgaa 300
aggaatgtgt attctgctgt tttttgatgg agaattctat aggtgtcagg tgaattgggt 360
tgatagcatt gttcagatct tgtatatcct tcctgatttt ctgtgtgggt gttttaccag 420
ttcataagag tgaggatttc aaaatatcca gctattattg aattacctat ttcttctttc 480
agcactgtca attgttggtt tatgtctttc ggggctttca ttaagtgata tacatctata 540
attattacat ctttttgata tattgactct tgttacatta taaaatgttt ctttttgtct 600
ctagcagtat ttcttattct aaagtttatt ttgtcagata ttaatacagc caccctatct 660
ctcttgtagt tggtgtttgc atggtacatc ttttacctct 700
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<210> 1049

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1049

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tatgtctttc ggggctttca ttaagtgata tacatctata attattacat ctttttgata 60
tattgactct tgttacatta taaaatgttt ctttttgtct ctagcagtat ttcttattct 120
aaagtttatt ttgtcagata ttaatacagc caccctatct ctcttgtagt tggtgtttgc 180
atggtacatc ttttacctct tttttttttt ttaagacagg gtctcaccct gttgccaggc 240
tggagtgcag tggcgtcac tcaagctcac caaacctctg cctcccgggt tcaagtgggt 300
ctcctgcctc agcctcccaa gtagctgaga ttacaggcac ataccaccac gccagataa 360
tttttgtatt tttagtagat atgaggtctc accatgttgg ccaggctgggt ctcaaactcc 420
tggcctcaag tgatccaccc accttggcct cccaaagtgc tgggattaca ggtgtgaacc 480
actgcgcctg gcttaccttt tttttttttt ttaaccttaa aaaccttttt agattatttg 540
aatctaaagt gtgtctttgt atgtagcatg tatttggatc ttgttttatt tattcaatct 600
gaaaagctct gagtttgcta agaaaaatca aggtggttca gtggtagaga atctcagagc 660
agaagggttt cagatagatt gtttagggat gatctctttg 700
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<210> 1050

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1050

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tttttttttt ttaaccttaa aaaccttttt agattatttg aatctaaagt gtgtctttgt 60
atgtagcatg tatttggatc ttgttttatt tattcaatct gaaaagctct gagtttgcta 120
agaaaaatca aggtggttca gtggtagaga atctcagagc agaagggttt cagatagatt 180
gtttagggat gatctctttg tagtggtgac ataaagctga tactaaagac tagaaggaat 240
caaagtgtga agaagggaag ggaaaggaaa gagcattata aatcaagaga acagaccctg 300
agtgatagga gagcttgaca tttttgaaga actgaaagag aagctgggtc atagttagca 360
aagggaatgt ggtggcagat gaagggtagt atgctaaaca aggttgacac tgcggaatct 420
tgaagtctat ggtgaaaagt ttgtatttta ttgaaaaagt agtgtgaagt cattgaaatt 480
tttgaagagt agaagaaact tgatccaatt tgtgtgtaca aaatctgaat ctaaaccttg 540
gtaagcaaga aatagcatat tgtaggctgg gcatgggtgg tcacgcctgt aatcccagct 600
ctttgggatg ccgaggcggg tggatcgctt gaggtcggga tttcgagacc agcctggcca 660
gcatggtgaa acccctctc tactaaaaat acgaaaaacta 700
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<210> 1051

<211> 700

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1051  
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 tggatcgccct gaggtcggga ttctgagacc agcctggcca gcatggtgaa acccgcgtctc 180  
 tactaaaaat acgaaaacta gctgggggatg gtggcagggtg cctgtaatcc cagctactct 240  
 ggaagctgaa gcaggagaat cacctgaacc caggagggtg aggtttcagt gagccgagat 300  
 tgcgccattg cactccagcc tgggtaacag agtaagactc catctcaaaa aaaaaaaaaa 360  
 aaaaaaaaaa aaaaaaaaaa gaangcanga aatagcgtat tgtaattttt ttctaatttc 420  
 aaattaaatt tgacttanat actcttcctt gatgagctgg tgagaaatgt attgtcagtc 480  
 actattaggg ctgtgtcacc tcagaagttc ccaccaaact aacaagggtg ctagaaaata 540  
 gaaggaaaac ttctaacttt gagtttgtca tgggtcattgg gctagtatgt ggatgtttgt 600  
 ccataatccac agtttcctta aaggatggta gttttctgct tctatgccac tttgggggttc 660  
 atgaaactgg agatgacaag tcctgggtact ctttttggtg 700

<210> 1052  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1052  
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 gagtttgtca tgggtcattgg gctagtatgt ggatgtttgt ccataatccac agtttcctta 120  
 aaggatggta gttttctgct tctatgccac tttgggggttc atgaaactgg agatgacaag 180  
 tcctgggtact ctttttggtg taccatggaa ccactcatttt ttaggtctaa ttctttctta 240  
 gagatgctgc ctgtgagtggt ggtagtcagt tctctttatt atactttttc ttttttcctc 300  
 cctcttctga cttttccttt tgttttcaga aattactota gaatgtatac tcttctcttg 360  
 ttaccattaa aaacttaaca ggattttact ttgattttta caaaagacac gaagtgaat 420  
 tacctggatt agcttcttct atgaagaaaa ataaagcagc ctaacagggt agagattgat 480  
 agagtctact atcttaaata gagagactag gaaactctct cttagtagag tcatttgagt 540  
 agaatcctga aggcagtaaa agaaaaataac atttcacgca aagggaataa caaatacaag 600  
 gtgtctggga atggagagta gttggtgttt ttgaggaaaa gtaaagggtca ggctactgtg 660  
 gctggaacga atgaacaagg ttaaggagct ttagtagatg 700

<210> 1053  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1053  
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 agaaaaataac atttcacgca aagggaataa caaatacaag gtgtctggga atggagagta 120  
 gttggtgttt ttgaggaaaa gtaaagggtc ggctactgtg gctggaacga atgaacaagg 180  
 ttaaggagct ttagtagatg aagtagccag atatcagagc atgcagaacc ttgaaagtcg 240  
 ggggaaggac tttgaggttt tactatgagt gagatcatag aagattatgt ttagagtag 300  
 actacagagg ggacaagggc atgcaagaaa aaaccagact ggacacctag atattgaact 360  
 tactaaataa agacattaag ccaactgtta taaatatttt caaagaacta aagacaacta 420  
 tgtctaaaga atttaaagttt gagaatgatg tcttacttaa tagagaatat caattaaaag 480  
 atataagtta ttttacaac cagatggata ttctggttga caaatacaat aactgaaatg 540  
 taaaattcac taaagggact catcatcctt tttgaacttg caaaataaag aatcagtga 600  
 cttaagatca ccagctctga gaaacagaaa gaaaaagaa tgcagaaaaa tgaacagagc 660  
 catacagatt tgtgagaaac catcacatgt atcaatacat 700

<210> 1054  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1054

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catcatcctt tttgaacttg caaaataaaag aatcagtgaa cttaagatca cccagtcctga 120
gaaacagaaa gaaaaaagaa tgcagaaaaa tgaacagagc catacagatt tgtgagaaac 180
catcacatgt atcaatacat gcataaggag aatcccaaaa gaaaagaaaa agaaagggca 240
gaaagaatat ttgaagatat gatggcaaga aactacaaat ttgataacaa acactaatct 300
gcacactaag aaactagtga actccaagta ggataaacct agagacacgt catagtcaaa 360
ctattgaaag ccaaagatca agaaagaatc ttggccaggc acagtggctc atgcctgtaa 420
taccagcact ttgggaagct gaggtggaca gattacttga gctcacaagt ttgagagcag 480
cctgggcaac atggagaaaac cctgtctcta caaaaaatac aaaaattagc caggcgtggt 540
gttgcatgcc tgtagtccca gctactcggg aggctgagat gggaggaaat agaggttggt 600
gtgagccaag attgtgccac tgcacttcag gctgggcaat agaaccagac ctctcaaaaa 660
gaaagagaga ggccgggagc ggtgctcacg cctgtaatcc 700

```

&lt;210&gt; 1055

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1055

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cctgtctcta caaaaaatac aaaaattagc caggcgtggt gttgcatgcc tgtagtccca 60
gctactcggg aggctgagat gggaggaaat agaggttggt gtgagccaag attgtgccac 120
tgcacttcag gctgggcaat agaaccagac ctctcaaaaa gaaagagaga ggccgggagc 180
ggtgctcacg cctgtaatcc cagcactttg ggaggctgag gcgggaggat cagcagggtca 240
ggagatcgag accatcctgg ctaacacggg gaaccccgct tctactaaaa atacaaaaaa 300
ttagccggcc gtggtagnng gcgcctgtag tcccagctac tccggagggt gaggcaggag 360
aatggcgtga acctgggagg cggagcttgc agtgagccga gatcgcgcca ctgcactcca 420
gcctgggcca gagagcgaga ctccgtctca aaaaaaaaaa aanaaaaaa gagagagaga 480
gagagagaat attgaaaata gaaagagaag gcagcaaggc atgttcaata aaattaacag 540
ctttcttttc attagaaact gtggatacca cagaaggcag agggatgatg tattcaaagt 600
gctgaaagaa aaggactgtc aactaggagt tgtatatcca gcaaagctag tcttcaaaaa 660
ttaaggtgaa tttaaaacat tcccatgtaa acaaaaacag 700

```

&lt;210&gt; 1056

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1056

```

gaaagagaag gcagcaaggc atgttcaata aaattaacag ctttcttttc attagaaact 60
gtggatacca cagaaggcag agggatgatg tattcaaagt gctgaaagaa aaggactgtc 120
aactaggagt tgtatatcca gcaaagctag tcttcaaaaa ttaaggtgaa tttaaaacat 180
tcccatgtaa acaaaaacag aattcttcac tagcagacat gccctataag aaatatgaaa 240
gggggttctt taggttgaaa tgacaggaca ctaaatagta acttgaatcc acacagagaa 300
ataaagagta ctggtaaaga taactctata ggtaaagtga aaagtcagta taaatattat 360
ttttgtttgt aacctttttc ttctatctga ttcaaaagac aactacataa agcaataatt 420

```

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ataattatat atttaataat gtgtaaggat attcttttaa tgccaataat aataaaaagga 480
gaggagaagg aatggagctg tacgggaaca gggtttttat atattattga aattacgtca 540
atattactct gagctagatt gctttaagtt aagacgttaa ttgcagtcct cagggcaaat 600
actaataaaa gaactaaaaa aagtggtaaa atagctaaca agtggattaa aatgntatac 660
tagaaaacta acacaaaaga aggcagtaat gaaaggatag 700

```

<210> 1057

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1057

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tacgggaaca gggtttttat atattattga aattacgtca atattactct gagctagatt 60
gctttaagtt aagacgttaa ttgcagtcct cagggcaaat actaataaaa gaactaaaaa 120
aagtggtaaa atagctaaca agtggattaa aatgntatac tagaaaacta acacaaaaga 180
aggcagtaat gaaaggatag aggaacataa aggcattgtac agaaaacagc aaaatggcaa 240
atgtaaatct catcagtaat tccaagaaat gaaatgggca ctacagtcaa aaggcataga 300
ttaagagaat gaataaaata acataatcca actatatgct atctatgaga caaatatata 360
ttcagagaaa caaatagggt gaaagtgaag agatggaaga agatacagaa tacaacaatt 420
ctccaaaaaa gaactggaga ggctgtgcta gtattagaca aaatagactt tgagacaaaa 480
attgttacta gagaccaaga agaacatttt atattaaaaa ggtcagtcca tcaaaaaaac 540
ataacaatta taaacatatg cacctaagag cagagcctca aaataaatga ggcaaaaccc 600
agcagaatta aaggaaaata gacaattcaa caataatagt tggagatgtc aatacctcac 660
tttgaaaaat ggatacaaca tataggtaga tgatcactgg 700

```

<210> 1058

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1058

```

agaacatttt atattaaaaa ggtcagtcca tcaaaaaaac ataacaatta taaacatatg 60
cacctaagag cagagcctca aaataaatga ggcaaaaccc agcagaatta aaggaaaata 120
gacaattcaa caataatagt tggagatgtc aatacctcac tttgaaaaat ggatacaaca 180
tataggtaga tgatcactgg ggaactagaa gacttcagca acactataaa ccaactagtc 240
taatagacac ctntaaaaca ctctcccaaa cagtgtgaagg cacattcttc tcaaatcac 300
atttaaaatt cttttctccc tttctttctt tttttttttt tggacaggat attgttctgt 360
ggcttaggct ggagtgcagt ggcatgatca cagctcacta cagctgcaaa gtcctgggct 420
caagcagtct tcctgctcca gcctcccaa tatctgggac tatagggtgtg caccaccatg 480
cttcgctaatt atttttgttt tagtagagaa agggctctcac tatgttgccc agactggtct 540
tgaactcttg gcctcaagca gtcctcccac ctggcttccc agatagggaa ttataggcat 600
gagctactgc agccaacctc tagacctcat gtcagaccat aaaataagtc tcaataaaact 660
taaaagaatt caaatttatat aaagtatggt ttaactacaa 700

```

<210> 1059

<211> 700

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1059  
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 gtccctccac ctggcttccc agatagggaa ttataggcat gagctactgc agccaacctc 120  
 tagacctcat gtcagaccat aaaataagtc tcaataaact taaaagaatt caaattatat 180  
 aaagtatgtt ttaactacaa cagtagaaat tcgaaaccaa taacaagaaa atttgggaaa 240  
 ttcactaata tgtggaaatt tgtaaata ctctacata accagttagt caaataagga 300  
 atcacaagag aaattagaaa gtattttgag atgagtgtaa atgaaaatac aatataccaa 360  
 aacttagagg atgtagctaa agcagcgctt agaggaaaat ttatggatgt aaacacctgt 420  
 atttaaaaag gagaaaaata ttaaattaaa acataatctt ttaccctagg aaatcagaaa 480  
 agagctaact tgagccaagg caaacagaag gaaataaaga ctancacaga aataaattaa 540  
 gtagagaata gaaacacagt aaaaaaaatc agtaaaacca aaagtggatt taaaaaaaaa 600  
 tcaacaaaat gtacaaacct ttggctagggt taaccaataa aaaaatacag aggactcaaa 660  
 taactcaact attagaagaa aatattggac taaatcttcc 700

<210> 1060  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1060  
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 aaaaaaaatc agtaaaacca aaagtggatt taaaaaaaaa tcaacaaaat gtacaaacct 120  
 ttggctagggt taaccaataa aaaaatacag aggactcaaa taactcaact attagaagaa 180  
 aatattggac taaatcttcc tgaccttacg taggtaatga tctctcatat attacatcaa 240  
 aggcatacag aatcaaagaa aaatttgata tattggtttt aaatatatat tggacttcat 300  
 caaaattgta aaattctgat gttttacagg acgctgttga gaaagtgcag acagactcca 360  
 gaataagtag gtggtggcgg gggagggcag cggatatttg caaatcacat atctgaactt 420  
 gtatcaagaa tatatagaga actgttacaa ctcaacanta aaaagacaac cctattttatt 480  
 tattttattta tttattttga gacaaagtct cgctcttgtc ccccaggctg gagtgcagtg 540  
 gcacgatctc agctcactgc aacctccgcc tcccaggttc aagcgattct cctgcctcag 600  
 cctcccaagt agctgggtatt acaggcgctt gccaccacgc ctggctaatt tttgtatttt 660  
 tagtagagat ggggtttcac tatgttggcc aggttgggtct 700

<210> 1061  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1061  
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 aacctccgcc tcccaggttc aagcgattct cctgcctcag cctcccaagt agctgggtatt 120  
 acaggcgctt gccaccacgc ctggctaatt tttgtatttt tagtagagat ggggtttcac 180  
 tatgttggcc aggttgggtct cgaactcctg acctcagggt atccacctgc ctgggcctcc 240  
 caaagagctg ggattacagg cgtgagccac catgcctggc caacaactca atttaaaagt 300  
 gggcaaaagaa tttgaataga aatttcctca gaaaagatat acaaatggcc aataaatata 360  
 tgaaaagatg ctcagcatca ctaatcatta gggaaatgca aatcaaaacc acagttagat 420  
 accacttctt atacagtagg atggctaaaa taaaaaaaga cagaaaatta ctagtggttg 480  
 tgaagatgtg gagagattag aaacttcatt cattgctgggt ggggttgtaa aatgatgcag 540  
 ccaccttgga agacagattg gcagctcctc atacagttaa acatacagtt accatatgac 600

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ccaactatTTT cattcctggg tacataccca agataaatga aaatatatat ccacacaaaa 660
acttgtacat gaatgtacat agcagaatta ttcataatta 700
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<210> 1062

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1062

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aaacttcatt cattgctggg ggggttgtaa aatgatgcag ccaccttggg agacagattg 60
gcagctcctc atacagttaa acatacagtt accatatgac ccaactatTTT cattcctggg 120
tacataccca agataaatga aaatatatat ccacacaaaa acttgtacat gaatgtacat 180
agcagaatta ttcataatta accagagagt agaaacaacc caaatgcca tcaactgacc 240
aataaataaa caaaatgtgg tatatccata ctatggaata ttattcagca aaataaaaag 300
gaatgaagtg ctgatgcag ctgtaatatg gatgaaactt agaaaaatta tactaagtga 360
aagaagccag acacaaaagg ccacatattg tttaattcca ttatatgta atatctagaa 420
tagccaaatg catagaaata gatattagac tagtgggttg caagggatgg aaaaggggga 480
tcagggagtg attgctgatg gatacgggct ttctctttga tatgacaaaa atgctctgga 540
attagagggtg atggctgtgt aatttaaaac tacgctttac ttacatgaa ttttatggta 600
tgtgaattat cagtaaaagt gttaagaaa gtaagttcac tcaattttac atttaagaca 660
aaagatcccc aattgtgggtg gatggaagaa catcctcact 700
```

<210> 1063

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1063

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aatttaaaac tacgctttac ttacatgaa ttttatggta tgtgaattat cagtaaaagt 120
gttaagaaaa gtaagttcac tcaattttac atttaagaca aaagatcccc aattgtgggtg 180
gatggaagaa catcctcact ctcatcaag gccagtacat taaccaaaga acatttgatg 240
aaggagtccg tcagttcttg aatttcctga tgaagaaaca actgggtggc tagcaaagaa 300
aagctgtact ttagaaatTTT atctttttgt ttcttagatg gtctactaaa ctatgcttca 360
aacataggat tgtagaaatc tgaatataat agtaattaca agaaatacaa atgcattgaa 420
cttagcaatt agaagagaca tattcactta atgttcgaca aatactcagt gtatattata 480
tgccaggctc tgctgtaaat acatggggca tcagcaagca aactagacaa gaatttccac 540
cctcatggaa ctaatgttct agttaaggga aaaagtccaa taaaatacac tggttaagta 600
tgttttttgt atgttaaaat atattagggtg ctatgaataa aatagagtag tgtgagcaag 660
gctgggggtg ctgggaagtt ggaatttaat gttctcagat 700
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<210> 1064

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1064

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agttaaggga aaaagtccaa taaaatacac tggttaagta tgttttttgt atgttaaaat 120
atattagggtg ctatgaataa aatagagtag tgtgagcaag gctgggggtg ctgggaagtt 180
ggaatttaat gttctcagat tcaataaaaa atttagctat attatgttta caaaagacac 240
ataaaactcg agaatacaga aagggttgagt gtaaagggaat tatatatatg ctagacaatt 300
agaaaaaagt atgctgatat ggcaatatta gtatcagaca aaatgatctt taaggcaaat 360
gatgttaagg atgctaaact tgcttgggca ttataataca gcatataaat attaaaacaa 420
atacaaaatt acaaggaaga attgataaag ctgtaattat tgtgggatat tttaatgtac 480
ctattcagta aatagagcaa atcaaaaaat aaagcaaata agtaaagcaa atcaaagcac 540
agtaagggtta ttgataatTTT gaacaacaca ttccacaagg ttgatacaat gaacacatag 600
agaaccctgc atgttcattt caagtgttca tagaatatct tttaaaaatt cccacatac 660
taggttataa aacaaacctc aggttcccaa aataaggaac 700
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<210> 1065  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1065  
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 caagtgcctta tagaatatct tttaaaaatt cccacatac taggttataa aacaaacctc 180  
 aggttcccaa aataaggaac tgaacagacc atgtttctctg ataatcattc cttgaagtca 240  
 gaaagtaaca aaagtgcatt ttaaaagctc atgtttttaa aatttaaata tacagttaaa 300  
 tagctaataga aaaagttatg atgtcactat agaaattaga aaatattaga atggaatgaa 360  
 tataataaaa atatatatca gatcttgagg gatgcattta gattgtcttg gagcaatatt 420  
 tacagccctt atttatttat ttatttttta ttattattat actttaagtt ttagggatca 480  
 tgtgcacaat gtgcagggtta gttacatatg tatacatgtg ccatgctggt gcgctgcacc 540  
 cactaactcg tcatctagca ttaggtatat ctcccagtc tatccctccc ccatccccc 600  
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 tcaattccca cctatgagtg agaatatgcg gtgtttggtt 700

<210> 1066  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1066  
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 gtgtgatgtt ccccttcctg tgtccatgtg ttgtcattgt tcaattccca cctatgagtg 180  
 agaatatgcg gtgtttggtt ttttgttctt gcgatagttt actgagaatg atgatttcca 240  
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 ggttcccaagt ctttgcattt gtgaataatg gcgcaataaa catacatgtg catgtgtctt 420  
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 ctagttttaca gttccaccaa cagtgtaaaa gtgttcctat ttctccacat tctctccagc 600  
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<210> 1067  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1067  
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 tctctgatgg ccagtgatgg taagcatttt ttcatatgtt ttttggctgc ataaatgtct 240  
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 aggttgcgaa aattttctcc cattttgtag gttgcctgtt cactctgatg gtagtttctt 420  
 ttgctgtgca gaagctcttt agtttaatca gatcccattt gtcaattttg gcttttgttg 480  
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 atcttgaatt gattttttata taaggtgtaa gcaagggatc cagtttccagc tttctacata 660  
 tggctagcca gttttccag caccatttat taaataggga 700

<210> 1068  
 <211> 700



<212> DNA  
 <213> Homo sapiens

<400> 1068  
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 taagggtgtaa gcaagggatc cagtttcagc tttctacata tggctagcca gttttccag 180  
 caccatttat taaatagggga atcctttccc cattgcttgt ttttctcagg tttgtcaaag 240  
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 gccattttca cgatattgat tcttctacc catgaggatg gaatgttttt ccatttggtt 600  
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 taccttgtaa gttggattcc taggtatttt attctctttg 700

<210> 1069  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1069  
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 gagcagtggg ttgtagttct ccttgaagag gtccttcaca taccttgtaa gttggattcc 180  
 taggtatttt attctctttg aagcaattgt gaatgggagt tcactcatga tttgggtctc 240  
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 tgagactttg ctgaagttgc ctatcagctt aaggagattt tgggctgaca caatgggggt 360  
 ttctagatat acaatcatgt catctgcaa cagggacaat ttgacttcct cttttcctaa 420  
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 ttccagtttt tttccattca gtatgatatt ggctgtgggt ttgtcataga tagctcttat 600  
 tatttcgaaa tacgtcccat ggatacctaa tttattgaga gtttttagca tgaaggggtg 660  
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<210> 1070  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1070  
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 ggatacctaa tttattgaga gtttttagca tgaaggggtg ttgaattttg tcaaaggcct 180  
 tttctgcac tattgagata atcatgtggg ttttgtcatt ggttctggtt atatgctgga 240  
 ttacatttat tgatttgct atattgaacc agccttgcat ccagggatg aagccactt 300  
 gatcatgggt gataagcttt ttgatgtgct gctggattcg gtttgccagt attttattga 360  
 agatttttgc atcaatgttc atcaaggata ttggtctaaa attctccttt ttgggtgtgt 420  
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 cctctttttc tattgattgg aatagtttca gaaggaatgg taccagtcc tccttgatcc 540  
 tctggtagaa tttggctgta aatccatctg gtccctggact cttcttgggt ggtaagctat 600  
 tgattattgc cacaatttca gatcctgtta ttggtctatt cagagattca acttcttctt 660  
 ggttttagtct tgggagagtg tatgtgtcga ggaatttatc 700

<210> 1071  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 1071

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gatcctgtta ttgggtctatt cagagattca acttcttcct ggtttagtct tgggagagtg 180
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gtgtcagttt tggatctttc ctgctttctc ttgtgggcat ttagtgctat aaatttcctt 600
ctacacactg ctttgaatgc atcccagaga ttctggtagt ttgtgtcttt gttctcgttg 660
gtttcaaaga acatctttat ttctgccttc atttcatcat 700

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&lt;210&gt; 1072

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1072

```

ttgctcttgc ttttctagtt cttttaattg tgatgttagg gtgtcagttt tggatctttc 60
ctgctttctc ttgtgggcat ttagtgctat aaatttcctt ctacacactg ctttgaatgc 120
atcccagaga ttctggtagt ttgtgtcttt gttctcgttg gtttcaaaga acatctttat 180
ttctgccttc atttcatcat gtaccagtag tcattcagga gcagggtgtt ccgtttccat 240
gtagttgagc ggttttgagt gacattctta atcctgagtt ctagtttgat tgcactgtgg 300
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ccaagtatgt ggtcaatttt ggaatagggt tgggtgtggg ctgaaaaaaaa tgtacattct 420
gttgatttgg ggtggagagt tctgtagatg tctattaggt ccacttgggt cagagctgag 480
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ggggtgttaa agtctcccat tattaatgtg tgggagtcta agtctctttg taggtcactc 600
aggacttgct ttatgaatct ggggtgctct gtattgggtg catatatatt taggtagatt 660
agctcttctt attgaattga tccctttacc attatttata 700

```

&lt;210&gt; 1073

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1073

```

gttgactttc tgtctcgttg atctgtctaa tgttgacagt ggggtgttaa agtctcccat 60
tattaatgtg tgggagtcta agtctctttg taggtcactc aggacttgct ttatgaatct 120
gggtgctcct gtattgggtg catatatatt taggtagatt agctcttctt attgaattga 180
tccctttacc attatttata gccttaaatt actaaatttg aaaggaagaa agcctggaat 240
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gctgaaatca ctttattttt ttaattgcaa aattgggttt ttcttccatt taacctgttg 360
aaccctaatc tgccttattg acctccttgg gtctcttcta ccccttgaat tgttagtgaa 420
ctccagtgac atatatagtg acaaacagga agtatgctga aatctgagga aataaaatag 480
gtttacaacc tagtgtaatt ctagacagaa ttaatagtgg tctggcattt agaatgagaa 540
agtgggtggc gtttctcagt tggaccagcc ttccagatat atattaatag ctgtacatta 600
tcgtttaatt cagaagaaag tagcctggat gttaaagggt tatgtgaaca taatatgaaa 660
aacagcatgt ggaatagaga catagagaat gaaaaagaaa 700

```

&lt;210&gt; 1074

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1074

```

ctagacagaa ttaatagtgg tctggcattt agaatgagaa agtgggtggc gtttctcagt 60

```

```

tggaccagcc ttccagatat atattaatag ctgtacatta tcgtttaatt cagaagaaag 120
tagcctggat gttaaagggt tatgtgaaca taatatgaaa aacagcatgt ggaatagaga 180
catagagaat gaaaaagaaa aaaacttcat tggatcataa agcaacaagg ctcaactg 240
gagcattctc tcttctgaga aatctgctct gacatccttc tcctctcccc aacctccaa 300
taggtgtatc ttccatttgt tccatagtag cccgtgatcc gctccactac agaagttggt 360
tatattttaat tttaattgtc catttacatc tatattgctt ttattaaact gtttccctca 420
gtaagcaaag actgattttt aaatcatttt tgcattttca agcccaactg tgggtgctgag 480
tacttaattt gatctgtatt gaatgaaatt gaagttattg aaggaagaaa ggatgaacta 540
atgaattaaa gcaattgatt atattttttt tctctgtggc cctgaggatt agccctagag 600
cacatatgta gaacatgcag acagatatatc ttgggttctg tatgaagata aatcttaact 660
gccatgggct ggcaagatgg ccgaatagga gcagttctgg 700

```

<210> 1075

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1075

```

gaatgaaatt gaagttattg aaggaagaaa ggatgaacta atgaattaaa gcaattgatt 60
atattttttt tctctgtggc cctgaggatt agccctagag cacatatgta gaacatgcag 120
acagatatatc ttgggttctg tatgaagata aatcttaact gccatgggct ggcaagatgg 180
ccgaatagga gcagttctgg tctgcagctc ccagtgcagat caatgcagaa ggcaggtgat 240
ttctgcattt ccaactgaag taccagctc atctcaacc atggaggcg acctgaagca 300
gggtggggtg tctcaccag gaagtgaag ggttcggtga acttttcca tgggtcttgc 360
aaccataga ccaggagatt cctcgggtg cctacaaacc agggcccg gtttcaagca 420
caaaactggg tgaccatttg ggcagacacc gagataactg caggagttt tttcatacc 480
ctagtggcac ctggaacacc agcaagacag aacggttcac taccctggaa agggggctga 540
agccaggag ccaagtggc tagctcagtg gatccacc ccataagcc cagtaagcta 600
agatccactg gcttgaaatt cttgctgcca gcacagcagt ctgaagttga ccaggaatgc 660
tcaagcttgg gtggggggcg gatggggggg tgaggggggt 700

```

<210> 1076

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1076

```

agcaagacag aacggttcac taccctggaa agggggctga agccaggag ccaagtggtc 60
tagctcagtg gatccacacc ccataagacc cagtaagcta agatccactg gcttgaaatt 120
cttgctgcca gcacagcagt ctgaagttga ccaggaatgc tcaagcttgg gtggggggcg 180
gatggggggg tgaggggggt ggggcattgc cattactgag gcttgagtag gcaggtttcc 240
cctcacagtg taacaaaagc tgccctggaag ttcaaactgg gcggagccca ccacagctcc 300
acaaagcctc tgtagacaga ctgcctctct agattcctag tctctggaca gggcatctct 360
gaaagaaagg cagcagcccc agtcaggggc ttatagataa aactcccatc tccttgggac 420
agagcacttg gggtaagggg cagctgtggg tgcagcttca acagacttaa acattgctgc 480
ctgctgggtc tgaagagagc agtggatctc ccagcacagc catagagctc tgctaaggga 540
tagactgcat cctcaagtgg gtcccaaac cccatgcttc ctgactggga gacacctccc 600
agtaagggtc aacagacacc tcatacaggg gagctccgcc tggcctctgg cgggtgcccc 660
tcagggacga agcttccaga ggaaggaaca tgcagcattc 700

```

<210> 1077

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1077

```

agtggatctc ccagcacagc catagagctc tgctaaggga tagactgcat cctcaagtgg 60
gtcccaaac cccatgcttc ctgactggga gacacctccc agtaagggtc aacagacacc 120
tcatacaggg gagctccgcc tggcctctgg cgggtgcccc tcagggacga agcttccaga 180

```

```

ggaaggaaca tgcagcattc tctgtagcct ctgctggtga taccagggca aacagggctct 240
ggagtggact tccagcaaac tacaacagac ctgcagcaga gggacctgag tgtagaagg 300
aaaactaaca aacagaaaga aatgacgtca acatcaacac aaaggacgtc cacacagaaa 360
ccccatccaa aggtcaccaa catcaaagac caaggtagat aaatccatga agatgaggaa 420
taccagcgca aaaaggctga aaattccaaa atccagaatg tctcttctcc tccagaggat 480
cacaactcct caccagcaag ggaactaaac tggatggaga atgagtttga caaattgaca 540
aaagtaggct tcagaagggtg ggtaataaca aattcctctg agctaaagga gcaagttcta 600
acccaatgca aagaaactaa gaaccttgaa aaaaagggtta gaggaattgc taactagaat 660
aaccagttta gaaaaaagca taaatgacct gatggagctg 700

```

&lt;210&gt; 1078

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1078

```

ggaactaaac tggatggaga atgagtttga caaattgaca aaagtaggct tcagaagggtg 60
ggtaataaca aattcctctg agctaaagga gcaagttcta acccaatgca aagaaactaa 120
gaaccttgaa aaaaagggtta gaggaattgc taactagaat aaccagttta gaaaaaagca 180
taaatgacct gatggagctg aagaacacag cacaagaact tcacgaagca tacacaattt 240
caatagctga atcgatcaag cagaagaaag gatattagag attgaagatc aacttagtga 300
aataaattgt gaagacaaga ttagagaaaa aagaatgaaa agaaatgaac aaagcctcca 360
ggaaatatgg aactatgtga aaagaccaa cctacgtttg attggtgtat ctgaaagtga 420
gggggaaatt ggaaccaagt tggaaaacac tctcaggat attatccagg agaacttccc 480
caacctagca agacaggtca acattaaaat tcaggaaata cagagaacac cacaagata 540
ctcctcaaga atagcaaccc caagacacat aatcatcaga ttcaccaaag ttgaaatgaa 600
ggaaaaaatg ttaagtgcag ccagagagaa aggtcgggtt acccaciaag ggaagcccat 660
cagactaaca gtggatctct gcagaaactc tacaagtcag 700

```

&lt;210&gt; 1079

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1079

```

acattaaaaa tcaggaaata cagagaacac cacaagata ctcctcaaga atagcaaccc 60
caagacacat aatcatcaga ttcaccaaag ttgaaatgaa ggaaaaaatg ttaagtgcag 120
ccagagagaa aggtcgggtt acccaciaag ggaagcccat cagactaaca gtggatctct 180
gcagaaactc tacaagtcag aagagagtgg ggccaatatt catcattctt aaagaaaata 240
attttcaagc cagaatttta tatccagcca aactaagctt tataagtga ggagaaataa 300
aatcctttcc agacaagcaa atgctgagag attttgtcac caccaggcct gccttataag 360
agctcctgaa ggaagcacta aatatggaaa ggaaaaactg gtacaagcca ctgcaaaaac 420
ataccaaatt gtaaagacca tcaacactat gaagaaactg catcaactaa tgggcaaaat 480
aaccagctag catcataatg acaggatcaa attcacacat aacattatta accttaaatg 540
taaatgggct aaatgcccc attaaaagac acagactggc aaattggata aagagtcaag 600
acccatctgt gtgcaatatt caagagaccc atctcacgtg aaaagacata cataggctca 660
aaataaggag atggaagaat atttatcagg caaatggaaa 700

```

&lt;210&gt; 1080

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1080

```

acaggatcaa attcacacat aacattatta accttaaatg taaatgggct aaatgcccc 60
attaaaagac acagactggc aaattggata aagagtcaag acccatctgt gtgcaatatt 120
caagagaccc atctcacgtg aaaagacata cataggctca aaataaggag atggaagaat 180
atztatcagg caaatggaaa gcaaaaagaa gcaggggttg cagtcctagt ctccaataaa 240
agagacttta agccaacaca gatcaaaaaa gacaaagagg ggcattacat aacggtaaag 300

```

```

ggatcaatgc aacaagaaga gctaactatc ctaaattgttt atgcacccaa tacagggcac 360
ctagactcat aaagcaagtt cccagtgtacc tacaaagaga cttagacccc cacataataa 420
tagtgggaag actttaacac cccactgtca atattagaca gattaatgag acagaaaatt 480
aacaagcata ttccaggactt gaactcagct ctggacaaaag tggacctaat agacatctat 540
ggaactctcc accccaaatc cacagaatat acattcttct cagcaccacg tcacacttat 600
tctaaaattg accacataat tggaagtaaa acactcctca gcaaattgcaa aagaacagaa 660
ataataacaa acagtttctc agaccacggt acaatcaaat 700

```

<210> 1081

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1081

```

gaactcagct ctggacaaaag tggacctaat agacatctat ggaactctcc accccaaatc 60
cacagaatat acattcttct cagcaccacg tcacacttat tctaaaattg accacataat 120
tggaagtaaa acactcctca gcaaattgcaa aagaacagaa ataataacaa acagtttctc 180
agaccacggt acaatcaaat tagaacttag gattaagaaa ctcacccaaa actgcacaac 240
tacatggaaa ctgaacaacc tgctactgaa tgactactag gtaaataatg aaattaagag 300
agaaataaat tctttgaaac caatgagaag aaagacacaa tgtgccagaa tctctgggac 360
acagctaaag tagtgtttag aggaaaattt atagcactaa atgcccacag gagaaagtgg 420
aaaagatcta aaattgacac cctaactca caatgaaaag aactagagaa gcaagagcaa 480
acaaattcaa agctagcag aagacaagaa ataactaaga tcagagcaga attgaaggag 540
atacaggcac aaaaaaccct ccagaaaatc aaaatcagtg aatccaggag ctgggttttt 600
gaaaagaata acaaaataga ctgctaacca gactgataaa gaagaaaaga gagaagaatt 660
gaatagacac aataaaaaat gataaagggg gtattccac 700

```

<210> 1082

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1082

```

aagacaagaa ataactaaga tcagagcaga attgaaggag atacaggcac aaaaaaccct 60
ccagaaaatc aaaatcagtg aatccaggag ctgggttttt gaaaagaata acaaaataga 120
ctgctaacca gactgataaa gaagaaaaga gagaagaatt gaatagacac aataaaaaat 180
gataaagggg gtattccac tgatcccaca gaaatacaaa ctaccttcag agaatactat 240
aaacacctct atgaaaataa actagaaaat ctagaagaaa tggataaatt cctggacaca 300
tacaccctcc caagactaaa ccaggaagaa gttgaatctc tgaatagacc aatgacaagt 360
tctgaaattg aggcagtaat taatagcctg ccaacaaaa aaagcccagg accagatgga 420
ttcacagccg aattctacca gaggtacgaa gaggagctgg taccattcct tctgagacta 480
ttccaaacaa tagaaaagga gggaatcctc cctaactcat tttatgaggc cagcatcatc 540
ctgataccaa aacctggcag agacacaaca aaaaatgaaa atttcaggcc aatatccctg 600
atgaacattg atgcgaaaac cctcaataaa ataattggcaa accgaatcca gcagcacagc 660
aaaaagctta tccaccacaa tcagggttggc tttatttctg 700

```

<210> 1083

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1083

```

gggaatcctc cctaactcat tttatgaggc cagcatcatc ctgataccaa aacctggcag 60
agacacaaca aaaaatgaaa atttcaggcc aatatccctg atgaacattg atgcgaaaac 120
cctcaataaaa ataattggcaa accgaatcca gcagcacagc aaaaagctta tccaccacaa 180
tcagggttggc tttatttctg ggatgcaagg ctggttcaat atatgcaaat caataaacat 240
aatccatcac ataaacagaa ccaatgacaa aaaccacatg attatctcaa tagatgcaga 300
aaaggccttt gacaaaattc aacaccctt catgctaaaa gctctcaata aactaggat 360
tgatggaaca catctcaaaa taataagagc tatttttgac aaaccacag ccaatatcat 420

```

```

actcaatggg caaaagctgg aagcattcct tttgaaaacc gacacaagac aaggatgccc 480
tctctcacca ctcttattca acgtagtatt ggaagtcttg gccagggcaa tcagggaaga 540
aaaagaaata acgggtattc agataggaaa agaggaaagc aaattgtctc tctttgtaga 600
tgacatgatt gtatatattag aaaaccccat catctcggct gggcacagtg gctcacgcct 660
gtaaccccag cactttggga ggctgaggcg ggtggatcac

```

&lt;210&gt; 1084

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1084

```

acgtagtatt ggaagtcttg gccagggcaa tcagggaaga aaaagaaata acgggtattc 60
agataggaaa agaggaaagc aaattgtctc tctttgtaga tgacatgatt gtatatattag 120
aaaaccccat catctcggct gggcacagtg gctcacgcct gtaaccccag cactttggga 180
ggctgaggcg ggtggatcac aaggtcagga gatcgagacc atcctggcta acacagtga 240
accctgtgtc tactaaaaat acaaaaaaaaa aaaaaaatta gccagggtgtg gtggtgggca 300
cctgtagtcc cagctacatg ggaggctgat gcaggagaat ggtgaaaacc caggagggtg 360
agcttgacag gagcctagat tgtgccactg cactccagcc tgggctacag agagaggctc 420
catctcaaaa aaaaaaaaaa caaaaaccaa aaaaaaaaaa acccatcgtc tcagcccaaa 480
atctccttaa gctgacaagc aacttcggca aaggctcagg atacaaaacc aatgtgcaaa 540
aatcacaggc attcctatac accaataata cacaacagc caaatcatgc atgaacatcc 600
atgcacaatt gccacaaaga gaataaaata catgggaata aaatttaciaa gggatgtgaa 660
ggacctcttc aaggagaact acaaaccact gcccaaggaa

```

&lt;210&gt; 1085

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1085

```

aacttcggca aaggctcagg atacaaaacc aatgtgcaaa aatcacaggc attcctatac 60
accaataata cacaacagc caaatcatgc atgaacatcc atgcacaatt gccacaaaga 120
gaataaaata catgggaata aaatttaciaa gggatgtgaa ggacctcttc aaggagaact 180
acaaaccact gcccaaggaa ataagagagg acacaaacaa atggaaagac attccatgct 240
catgaatagg aagaatcaat atcgtgaaaa tggccatact gcccaaaata atttatagat 300
ccagtgtcat ccccatcaag ctaccattga ctttcttcac agaattagaa aaaactactt 360
taaatttcatt atggaaccaa aaaagaacct gtatagccaa gacaatccta agcaaaaaga 420
acaaagctgg aggcattcat gtacctgact tcaaaactata ctataaggct acagtaagca 480
aaacagcatg gcagtcgtac caaaacagat atatagacca gtggaataga acagaggcct 540
cagaaatagc accacacatc tacaaccatc tgatctttga caaacctgac aaaaacaagc 600
aatgggggaa ggattcccta tttaaaaatg gtgttgggaa aactggctaa ccatatgcag 660
aaaactgaaa ctggacctct tctttacacc ttatacaaaa

```

&lt;210&gt; 1086

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1086

```

caaaacagat atatagacca gtggaataga acagaggcct cagaaatagc accacacatc 60
tacaaccatc tgatctttga caaacctgac aaaaacaagc aatgggggaa ggattcccta 120
tttaaaaatg gtgttgggaa aactggctaa ccatatgcag aaaactgaaa ctggacctct 180
tctttacacc ttatacaaaa attaactcaa gatggattac agacttaaat gttagacct 240
aaaccataaa aacctagaa gaaaacctag acaatgccat tcaggacata ggcatgggca 300
aagacttcat gactaaaaca ccaaaagcaa tggcaacaaa agccaaaata gacaaatggg 360
atctaattaa actaaagagc ttctgcacag caaaagaaac tatcatcaga gtgaacaggc 420
aacctacaga atgggagaaa atttttgtaa tctttccatc tgacaaaagg ctaatatcca 480
gaatctacaa gggactcaaa caaatttaca agaaaaaac aaccccatca aaaagtgggc 540

```

```

aaaggatatg aacagatgct tctcaaagga agacttttat gcagccaaca aatatatgaa 600
aaaaagctca ttatcactag tcattagtga aatgaaaatc aaaaccacaa cgagatacca 660
tctcatgccca gttagaatgg caatcattaa aaagtcagga 700

```

<210> 1087

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1087

```

caaattttaca agaaaaaaac aacccccatca aaaagtgggc aaaggatatg aacagatgct 60
tctcaaagga agacttttat gcagccaaca aatatatgaa aaaaagctca ttatcactag 120
tcattagtga aatgaaaatc aaaaccacaa cgagatacca tctcatgccca gttagaatgg 180
caatcattaa aaagtcagga aacaacagat cctggagagg atgtggagaa gtaggaatgc 240
ttttacactg ttggtgggag tgtaaattag tccaaccatt gtggaagaca gtgtggtgat 300
tcctcaaaaa tctagaacct gaactacctt ttgaccagc aatcccatta ctgggtatat 360
acccaaagga ttataaatca ttctactata aagacacttg cacatgtatc tttattgcag 420
cactattcac aataacaaag acttggaacc agcccaaatc aaatgtccat caatgataga 480
ctggataaag aaaatgtggc acatatacac catggaatac tatgcagcca taaaaaagga 540
ttagttcatg tcctttgctg ggacatggat gaagctggaa accagcattc tcagcaaact 600
aacacaggaa cagaaaaatcg aacaccgcat gttctcactc ataagtagga gttgaacaat 660
gagaacacat ggacacaggg agaggaactt ctcacactgg 700

```

<210> 1088

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1088

```

acatatacac catggaatac tatgcagcca taaaaaagga ttagttcatg tcctttgctg 60
ggacatggat gaagctggaa accagcattc tcagcaaact aacacaggaa cagaaaaatcg 120
aacaccgcat gttctcactc ataagtagga gttgaacaat gagaacacat ggacacaggg 180
agaggaactt ctcacactgg ggccagtcag ggggtggggga ctaggggagg gatagcatta 240
ggagaaatac ctaaggtaga tggtgggttg atgggtgcag caaaccacca tggcacatat 300
atacctatgt agcaaacta cacattctac acatgtatcc cagaacttaa aatatatata 360
tataaatatc ttaactgcca aaaagtggaa ggaactgctt gacaggtagt acactccatt 420
tctatccaag gagatgttct ggcataaagt agacaaccaa caaatgggga tactacagag 480
tcacctcatt tttattgaat tcagtaaaact tattaacatc tggtacatac taggatgctg 540
tactaagcaa aaaagtgaag cttttatggc gtgtgtccag aatatcttat ggtctatttg 600
gggatggtgg tggtagacta gatatttaaa cagacatctt cagttgattg tgtggcaagt 660
cataaaatgg atgttcagag tactgtgaga gtcagggaa 700

```

<210> 1089

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1089

```

tcagtaaaact tattaacatc tggtacatac taggatgctg tactaagcaa aaaagtgaag 60
catttatggc gtgtgtccag aatatcttat ggtctatttg gggatggtgg tggtagacta 120
gatatttaaa cagacatctt cagttgattg tgtggcaagt cataaaatgg atgttcagag 180
tactgtgaga gctcagggaa atgtactcaa atgctggatt tataatttta taatcactgt 240
agctgaccaa agggcaactt ctaatttgac tgcaatatgt tttcttttag ttataccatc 300
ataaaaaact gttttagata atcttgggaa gattttacac tcttctcttt tccttttttt 360
tttttttttt gagacagtct tgctctgtca ccccggttg agtgcagtag catgatttcg 420
gctcactgca acctctctct cctgggttca agtgattctc ctgcccagc ctcttgagta 480
gctgggatta caagcatccg ccaccatgcc ctgctaattt tgtattttta gtagggacag 540
ggtttcacca tgatggctag gctggtctcg aactcttgat gtcagggtgat ctgcctgcct 600
cagcctccca aaatgctggg attacaggtg tgagccacca tgaccggctg atttcacact 660

```

cttagacttt gctgcgctaa ctcatgttag gaaaatcttt

700

<210> 1090

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1090

ccaccatgcc	ctgctaattt	tgtattttta	gtagggacag	ggtttcacca	tgatggctag	60
gctggtctcg	aactcttgat	gtcaggtgat	ctgcctgcct	cagcctccca	aaatgctggg	120
attacaggtg	tgagccacca	tgaccggctg	atttcacact	cttagacttt	gctgcgctaa	180
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cctctttttc	tatatgacct	tgacctaaat	tccttgatta	ctttgggaat	cagttttctt	420
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gatgagatga	tgatacctgt	cgaaattatc	aggggaaggta	taagttatct	gggactctag	540
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aagcagatgt	gatcgcatga	atgtgaattg	tgagtgaag	gtaggacaac	tgtctntctg	660
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<210> 1091

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1091

cgaaattatc	aggggaaggta	taagttatct	gggactctag	tgtacatttt	aactatgggtc	60
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atgtgaattg	tgagtgaag	gtaggacaac	tgtctntctg	tctgtgctag	agaccttggg	180
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gatttgtaga	gcttctctaa	gcgacctccc	tgattgctag	ccatttccta	ccctctcttc	360
tttccaatgt	ccagactcct	ctcaciaaaca	agcctagtgt	aatctgcca	ctttaagaag	420
ttgttagagg	aagaaaaggc	aggaaagctt	ggatacaagg	catcaaagac	caagaaggag	480
acattgagta	gtgtccttga	ggactctctg	gaccgtcttg	aaaactggga	ggctctatgag	540
ggcctctgct	gtggagaggg	tatcaaactc	attgctgtgc	tctaaatgtt	tgtgtccccc	600
tgggaattcat	atgtcaaaat	cataacctgc	aaggatgatg	tattagaagg	tgagggtcttt	660
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<210> 1092

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1092

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cataacctgc	aaggatgatg	tattagaagg	tgagggtctt	tgggaggcga	ttagtgccct	180



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tgtcaaagag acccaagaga gcttcctgac ccctccact atgtgagaac acagctagaa 240
ggctccatat gtgaaccaga aagcaggctc ttaccagaca gtgaatctgc tgggtgcctt 300
catcttggac ttcgagcctc caaaactgtg aaaaataaat ttctcttggt tataagtcac 360
tcagtcaaag gtattttgtt agagcagccc ggctagacaa agacacctgt aaaaatggga 420
aaggaggtgg atgggggtga aagggctgct tagggtcctt gagagacctt cagatcccc 480
gataatatga atgcttggga ccttggcttt gaagggccag atttggttga gaaagtattc 540
cagtcctcaa acctggccct taaatgcacc tctgggtctc tctcagtggt acagttatat 600
tgaacactta tttttattga tggctaatta ggtgctaggc attaagacca ttatttatat 660
tactttttga taatttttta ttaaattggct atagaaaaaa 700

```

&lt;210&gt; 1093

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1093

```

ccttggcttt gaagggccag atttggttga gaaagtattc cagtcctcaa acctggccct 60
taaatgcacc tctgggtctc tctcagtggt acagttatat tgaacactta tttttattga 120
tggctaatta ggtgctaggc attaagacca ttatttatat tactttttga taatttttta 180
ttaaattggct atagaaaaaa attaagtatt ttctcagtc ttcacatat ctgaattatt 240
gcactcactt tgattaattc atgggacatt ttcttaatag tttggttagt tattgccttt 300
ggaaagtccc ttttccctgt attttggcat gattagcatt aatgttttgt actcacttgt 360
ttctggttca gtactagtga tacatgtgga aaaatgaatt aatatatgcc ctttctttgg 420
tagagtgtag tctattaaag gaaaatttaa aatgtaaatc agtgatttta atatggtagt 480
gggtatgtgca aagtctgggtg gcaacacaga agacgcaatt aactctgctt taggacagag 540
aggattgaga gttcacaagg aaaggactct tgaattagaa tttcatgtag acagtggtag 600
taagagaagt tttaggctga tgctgtttca tgtgcaaata tacagtaaaa aaattacact 660
gtattttgag aacagcaata attttttcta ttagaagaac 700

```

&lt;210&gt; 1094

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1094

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gcaacacaga agacgcaatt aactctgctt taggacagag aggattgaga gttcacaagg 60
aaaggactct tgaattagaa tttcatgtag acagtggtag taagagaagt tttaggctga 120
tgctgtttca tgtgcaaata tacagtaaaa aaattacact gtattttgag aacagcaata 180
attttttcta ttagaagaac ataaaatttg aaaaaggaaa ctatggtgtt caagatgtta 240
atatatgcag gcttgtatta tggaggggtc ggtggatcat gacatagaac ttggattttg 300
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ctttccagcc ccatagaaat tgaattgtta ccgttgtaga agtcctgtgt aagggtggct 600
tccctcatag agcttgcaga tgtgaggagg aatgttcctg agagataaga agctgttgaa 660
tggtttatgt ttgtcatttg tgccaaccaa gaaaaggact 700

```

&lt;210&gt; 1095

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1095

```

tggacatgat agaaagatga ctggaagaga aacgctgttt ctttccagcc ccatagaaat 60
tgaattgtta ccgttgtaga agtcctgtgt aagggtggct tccctcatag agcttgcaga 120
tgtgaggagg aatgttcctg agagataaga agctgttgaa tggtttatgt ttgtcatttg 180
tgccaaccaa gaaaaggact tttgtttcag ttctgagggg tgaaggagg gggcataagg 240
agtggggcta gtgcctacag ccagaggaga ctggtactta agcgagagcc tgttgctctg 300

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tgctccccag gcaccacaga agcagcagag gcttttctgt aggtactacc atggcaagag 360
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ttataatgtc atgtctgagg aggaaatcaa aaggatgaag gagattgtga agcccaaagt 480
aagtttctca gttggttctc accacatttt cctctgcca cttcctgaga cctaccttgc 540
tgtcattatt ttagagaaaac ttaaggaaaa agctggtagc agagttgcaa gcagatttat 600
tttttaataga cctggtcctc cagaagaaat aaatatcatt atgtattatt tggtagctca 660
gatgagaatt ttaaaaatct ctttaaattt tattaatttt 700

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<210> 1096

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1096

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accacatttt cctctgcca cttcctgaga cctaccttgc tgtcattatt ttagagaaaac 60
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cagaagaaat aaatatcatt atgtattatt tggtagctca gatgagaatt ttaaaaatct 180
ctttaaattt tattaatttt caacatttta tcttagtttt aaagattgca tatggctttt 240
tagggtttgt tgcctttttc tttttaattg acataattgt atatatattt ggggtacagt 300
gtgatatttt gatattgtata tacaatgtgt aatgattaaa tcacggtaat tagcatatct 360
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tgaaaataaa aaattaattg ttaattatat ttaccctaca gtgctataga acactagagc 480
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ctttctctta tacttccctg cctctagtaa ccactattct attctcttct atgaaatcaa 600
tttttttttag cttcaatatg taagtgagac catgtgctat ttatctttct ctgcctggct 660
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```

<210> 1097

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1097

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ttacatttgt atctattaac caacctttgg ctatcccacc ctttctctta tacttccctg 60
cctctagtaa ccactattct attctcttct atgaaatcaa ttttttttag cttcaatatg 120
taagttagac catgtgctat ttatctttct ctgcctggct taatttccct taacataatg 180
tctccaggc tcatccatgt tgctgtaaat gagagaattt cattcttttt gtgggttaaa 240
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tgattccata ccttggtctat tgtgaagagt gctacaataa acatgggatt gcagatatat 360
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taaagtagtt ctatttttagt ttttttgaga acctccataa tgttttctat aatggcttta 480
ttaatttaca ttctaccacaa cagtgtataa gagttcactt ttctccacag ccttgccagc 540
atttgttatt ttttgtcttt tttaaaatag gtgtgagaaa atatcttatt gtgggttttg 600
tttgcatttg cctgatgatt agtgatgttg agcatttttt catataacct ttggccattt 660
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<210> 1098

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1098

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cagtgtataa gagttcactt ttctccacag ccttgccagc atttgttatt ttttgtcttt 60
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agtgatgttg agcatttttt catataacct ttggccattt ctatgtcttc ttttaagatg 180
tctgttcagc ttatttgctt attttttaat cggattatta ttattttttg ctattgagtt 240
gtttgagttc tttgcatatt ctggctatca attccttgct agatgaatag tttgcaaata 300
tttctcccca ttctgcaggt tgtctcttca ctctgttgat tgtttctttt gctgtggaga 360
aggttttttt gtttgatata atctcatttg tttatttttg cttttgttgc ctgtgcacaa 420

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```

aagagatcct tgccataaaa atctttgccc aaaggatatg aacagacact tctcaaaaga 480
agacatttat gcagccaaca gacatatgaa aaaatactca tcatcactgg tcatcagaga 540
aatacaaatc aaaatcacag tgagatacca tctcacgcca gttagaatgg caatcattaa 600
aatgtcagga aacaacagat gctggagagg atgtggagaa ataggaacgc ttttacactg 660
ttggtgggag tgtatattag tccaaccatt gtggaagaga 700

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<210> 1099

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1099

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gacatatgaa aaaatactca tcatcactgg tcatcagaga aatacaaatc aaaatcacag 60
tgagatacca tctcacgcca gttagaatgg caatcattaa aatgtcagga aacaacagat 120
gctggagagg atgtggagaa ataggaacgc ttttacactg ttggtgggag tgtatattag 180
tccaaccatt gtggaagaga gtgtggcgat tctcaagga tctagaagaa ataccatttg 240
accagccat cccattactt gggatatatac ccaaaggact ataaatcatg ctactataaa 300
gacacatgca cacatatgtt tattgcggcg ctattcacia tagcaaagac ttggaactaa 360
cccaaatgtc catcaatgat agactggatt aagaaaatgt ggcacatata caccatggaa 420
tactatgcag ccataaaaaa gggatgagtt catgtccttt gtagggacat ggatgaagct 480
ggaaaccatc attctcagca aactatcgca aggacagaaa atcaaacact gcatgttctc 540
actcataggt gggagttgaa caatgagaac acatagacac agggagagga acatcacact 600
ctggggccta tcatggggtg gggggctggg ggagggatag cattagtagg agaaatacct 660
aatgtaaatg atgagttgat ggggtgcagca aacaaacatg 700

```

<210> 1100

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1100

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aactatcgca aggacagaaa atcaaacact gcatgttctc actcataggt gggagttgaa 60
caatgagaac acatagacac agggagagga acatcacact ctggggccta tcatggggtg 120
gggggctggg ggagggatag cattagtagg agaaatacct aatgtaaatg atgagttgat 180
gggtgcagca aacaaacatg gcacatgtat acctatgtaa caaacctgca tgttgtgcac 240
atgtacccta gaacttaaag tataataaaa aaagaataaa aatataaata aaagtaagtc 300
ttggtgaaaa aaacaaaaca aaacaaaaaa aactttgccc agaccaaatg tctagaagtg 360
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atgtggatat tctgttttcc cagtaccatt tatttaagag gctattcctt cccagttact 540
gttttggcat ctttgttgaa aatcagttgg ctgtaaatat atgaatttat ttctaggttc 600
ttgttgctgt tctattttta tgctagtacc atgctgggtt tgtttagctt cttgaatctg 660
taatgtttat gtcttttacc aaatttgtga aaatttgggt 700

```

<210> 1101

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1101

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cagtaccatt tatttaagag gctattcctt cccagttact gttttggcat ctttgttgaa 60
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tgctagtacc atgctgggtt tgtttagctt cttgaatctg taatgtttat gtcttttacc 180
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ttctttttct gggattcctc ttacacatat gtaagacctt tcattgttgt ctgatagttc 300
cctgaggctc tgttaatttg tttctctctt ctctcttctt cagattatat aatatccatt 360
gtctactgct aatctcaatg attcttcctt ctgtcatctc tattttcatg ttaaccccat 420
ctattaaagt tttaaattca gatactgtat ttttcagttc tataattttt agttaattct 480
ttattgttgt ttcttgttct tttctgaaac ttgtcttctt ttcactaact atgagtatta 540

```

```

tttttcttta cgtcattgaa cgtggctcta attaaccact ctgaaatcct tgtctgtgaa 600
ttccaacatc tgtttcatct ttgggttgat ctctgtgtct tttctcttgg aaatagggtca 660
catgtttctg gtccttcaca tgtcaagcaa ctttctattg 700

```

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<210> 1102
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 1102
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ttgggttgat ctctgtgtct tttctcttgg aaatagggtca catgtttctg gtccttcaca 180
tgtcaagcaa ctttctattg tatcctgggt gctactgagg gaactccaga ttctgttata 240
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atttctttta ttctggctg ggctacttgc agtataacct acatatgtgt tgttttagcag 480
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actgggattt cctttttact tttcagaatt tgtgcttgct ccagactctg taatctgata 600
ttttaggtta agaaaactgg gttttctatc aaaattttag cagctgtata tgccatcaac 660
tatgggtatgt cctgaggcta atagtcattt taaaaacagg 700

```

```

<210> 1103
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1103
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gttttctatc aaaatttttag cagctgtata tgccatcaac tatgggtatgt cctgaggcta 180
atagtcattt taaaaacagg aaatcaccct gtactgttct cttcattcaa gggccaactt 240
ccaccatta tctgcctgct tttgtttact ctccattgac ttctactaat tgtattttgt 300
attttatcca gagtttatag ttgttatctg tgtgtgggtc actgtgatag aaaaatattc 360
aaccatattt ttcacatctt ttatttttaa taaaaataat ttactcatag taatttttta 420
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tttgcgattc ttttatattt atcactattt ctggccctgt ttacctctgt gttcattttt 660
gcttcatttt cttgactttt ctcatcttcc tctgtattgt 700

```

```

<210> 1104
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1104
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atcactattt ctggccctgt ttacctctgt gttcattttt gcttcatttt cttgactttt 180
ctcatcttcc tctgtattgt ttagtacagt tttggtcata tctctttctt tcttaggcac 240
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gtttgatcag tttctatttt acatcttttg ttgtccatat ccattccgag tttttatatt 360
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tgtggatggt gggtttaatt ttatttttgt tgttccatag tttatttggt ttggattttc 600
ctgaaccagt gatcttgagt caactgtttc ttttatttct atagtgaat gcagtttttt 660

```

caattaaagg tacttttatg gtatgtcttc ttcaaattgt

700

<210> 1105

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1105

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caactgtttc	ttttatttct	atagtgaat	gcagtttttt	caattaaagg	tacttttatg	180
gtatgtcttc	ttcaaattgt	ttcttaattg	ataattttta	tagggctctt	actctcagcc	240
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caccccagga	acagtgcctt	ccttatacta	tctctgtgtg	ctttacaagc	tcttTgtgtt	360
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ccactcaggg	tggagccctt	ttcctctgaa	agcaggacct	tagatgatat	atatgttaca	480
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agaaatttgt	actattctgt	gtttcccggt	tacaacgtag	gcataaataa	tgggtacttt	660
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<210> 1106

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1106

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gtttcccggt	tacaacgtag	gcataaataa	tgggtacttt	ttttctttgt	tggTggtttt	180
cagaaattta	tgtagttaaa	attgctttta	gaaggatgtc	tttttctatg	acaccttggt	240
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ttttcagcaa	atgacatatg	ctatgcata	atgttaaaat	agctgaaaag	aattgcctgt	360
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ttttatcaat	actcatttag	cccttactag	atcatccctt	gagagcagtg	ccttctttTg	600
aaatagtcaa	gggatggaag	aggcaagctt	atttgaaaaa	acttgtatca	cttctactgt	660
catactttat	aaaacatttt	atttagaaca	tctcaacagg			700

<210> 1107

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1107

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cccttactag	atcatccctt	gagagcagtg	ccttctttTg	aaatagtcaa	gggatggaag	120
aggcaagctt	atttgaaaaa	acttgtatca	cttctactgt	catactttat	aaaacatttt	180
atttagaaca	tctcaacagg	ggccaaaatg	cctcatttct	aactgccata	cttcacacag	240
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<210> 1108  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1108  
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<210> 1109  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1109  
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 tctgggtgga taccacagag tgggatttct ggatcaaatg gtagatctac gtttagttct 540  
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<210> 1110  
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 <212> DNA  
 <213> Homo sapiens

<400> 1110  
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 aacatctatt attttttgat attttgatta tggccattct ttcaggagtg aggtggtatc 240  
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<210> 1111  
 <211> 700

<212> DNA  
<213> Homo sapiens

<400> 1111

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<210> 1112  
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<212> DNA  
<213> Homo sapiens

<400> 1112

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<210> 1113  
<211> 700  
<212> DNA  
<213> Homo sapiens

<400> 1113

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aaaattaaca ttgatatact actattacct taagatccag actttattca gatttaacca 180
acttttctac taatgtcctt tttttgttct aggatccaac ccaaaatacc acagtgcac 240
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<210> 1114  
<211> 700  
<212> DNA  
<213> Homo sapiens

&lt;400&gt; 1114

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&lt;210&gt; 1115

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1115

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&lt;210&gt; 1116

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1116

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cctcccagat agctggatct acaggcatgc accaccatgc ccggctaatt ttttcatttt 60
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ataccaagca gcatgatcgc tggattgtat agtaagacta 700

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&lt;210&gt; 1117

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1117

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aaataatatt ttattgtatg gctgtatcag tttgtttatc cattcatcta ttggaggatg 60

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tcttggttgt atccagggtt tggcaattat gaataaagct actgtgaaca tttgtatgca 120
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<210> 1118
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1118
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<210> 1119
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1119
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<210> 1120
<211> 700
<212> DNA
<213> Homo sapiens

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tattttataac ctcttttaag aaaatttttag tggttgtcct taagtttaca gtatgcacct 180

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&lt;210&gt; 1121

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1121

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&lt;210&gt; 1122

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1122

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&lt;210&gt; 1123

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1123

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atattaaaac tgcagaaatt ttсagataaa gaaaaaaaat 700

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<210> 1124

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1124

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acagtttggt тааcaatatt aacaatgcat tcaattttgt gtgtgtatat aaatatatac 660
atttatgtgt gcttatgaat aagtgaatg aatgacagca 700

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<210> 1125

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1125

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aacaatgcat tcaattttgt gtgtgtatat aaatatatac atttatgtgt gcttatgaat 180
aagtgaatg aatgacagca gtgatгcaag ggatgggagg gagaattaga aatacttggt 240
tattaggtac ttgactgta tgгgaagtgg tatagtatta tttgaaaatg gattgggggt 300
agttataaat gcatatttca aactctaggг caaccacttt aaaaagtaag aaaaagaagt 360
ataattggta tgctaagaaa agagagaaaa tggaatcata taaaatgctc aattaaaacc 420
acгgaaggca gaaaaagagt ggaagacaga aatagggaaca aagaacaaag gcaacaaata 480
gaaaatagta acagatatgg cagatcaaac tatatcagta aacacttcac agtcactctг 540
gaaggcagtt tggctgtctc ttaccaaact aaacatgctc ttagcacatg atccagccct 600
tgcactcctt agaatttacc caaataagtt aaaaacttat gttcaccag aacagctгca 660
tacagctggt tatagcagct ttcttcataг ttгcgaaaaac 700

```

<210> 1126

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1126

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cagatcaaac tatatcagta aacacttcac agtcactctг gaaggcagtt tggctgtctc 60
ttaccaaact aaacatgctc ttagcacatg atccagccct tgcaactcctt agaatttacc 120
caaataagtt aaaaacttat gttcaccag aacagctгca tacagctggt tatagcagct 180
ttcttcataг ttгcgaaaac ctгgaagcaa ccaagatgtc ttгcttccag gtttggaagg 240
atggatgggt aaataaactг atacatccag gcaatgaaat attgttcagt gctaaaagga 300
aatgcactat caagctataa aaagacatgg aggaacctta aatgcatatt gctaagtгaa 360
agaagctcat ctгgaagggc cagcttcaag tgattctcat gcctcaacct ctcaagtagc 420

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```

tgggattaca ggcacgtgcc accatgcctg gctaattttt tcatttttag tagagacaag 480
gtttcaccat gttggccatg ctggtcttga actcttgacc tcaagtgate cgcccacctt 540
ggcctcccaa agtggtagga ttacaggcat gagccaccat gcccaccccc attatacgtt 600
tgtcaaaacc cacagaatgt acgccaccaa gagtgaaccc taatataaac tgtggacctg 660
gggtgataat tatgtgacaa tgtaggttca ttgatctaac 700

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<210> 1127

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1127

```

ctggtcttga actcttgacc tcaagtgate cgcccacctt ggcctcccaa agtggtagga 60
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acgccaccaa gagtgaaccc taatataaac tgtggacctg gggtgataat tatgtgacaa 180
tgtaggttca ttgatctaac acatgtacca ctgtgacgca gtacatcaat agtggggatg 240
tttatgcatg tgtaggggca tggatagatg aggagtctgt acttcctgct taattttgct 300
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cacttggtgt agaattctgg gttgatagca attttttttc ttttattcct ttaaagatct 420
cacaccattg tcttctggat tatataatct ctgaatatgt ctgctgtaat tcttatcttg 480
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ggttttcagc agtttaaaata taacgtatct ttctaagcgt gatttctttt agtggtggtg 600
gtgggggtatt tatcctgatt gtgacctctg agttttatct tttaaaaaat acatatatat 660
atttaataata tatttaaatg tataattttt atatatattat 700

```

<210> 1128

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1128

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ctttttatct tgatcatgtt aagattttct atttgttttt ggttttcagc agtttaaaata 60
taacgtatct ttctaagcgt gatttctttt agtggtggtg gtgggggtatt tatcctgatt 120
gtgacctctg agtttatctt tttaaaaaat acatatatat atttaataata tatttaaatg 180
tatatttttt atatatatct ttatttttaga gacagggtct tgctgtgttg tccagactgg 240
tgttgaactc ctgggtttcaa gcatcctcc cactgggat tacaggcatg agccactatg 300
cccaatcatc tctctgagct tcttgatct gtatgttgta tctttcatta ttttctgaag 360
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aatatagatg acgggttgat ggggtgcagca aaccatcatg gcatgtgtat acctatgtaa 480
caaacctgca cgttctgcac atgtatccca gaacttaaaag tataataaaa aaaattttta 540
aaaagaaaaa ttaaaatcta cttccttcct ctggaatttt aaggcttagg agaagagttg 600
tgtacatgtc cagaagaaaa gtggagttga gtcagtttat taggatgtgg tgtggggttg 660
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```

<210> 1129

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1129

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atgtatccca gaacttaaa gataataaaa aaaattttta aaaagaaaaa ttaaaatcta 60
cttccttcct ctggaatttt aaggcttagg agaagagttg tgtacatgtc cagaagaaaa 120
gtggagttga gtcagtttat taggatgtgg tgtgggtttg ggattttttt gtttttggtt 180
ttgtggttgc tttcagtgtg cctccaactt caaagcattg tgcttagagt agaggctggg 240
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gtgggaaggg caggaaatgg tctggcccaa gttcattaga ggtttttggt attggtttgt 540

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```

ttgtttgttt gtttgtttgt tttgagacag agtcttgttc tgtcaccag gctggagtgc 600
agtgggtgca tctcagctca ctgcaacttc tgcctcctgg gttcaagcaa ttctcctgcc 660
tcagctcctg agtagagggg attacaggca tgtgccacta 700

```

<210> 1130

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1130

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tctggcccaa gttcattaga ggtttttgtt attggtttgt ttgtttgttt gtttgtttgt 60
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ctgcaacttc tgcctcctgg gttcaagcaa ttctcctgcc tcagctcctg agtagagggg 180
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ctttcttgtg agcatccagt aaaggctctgt ggagaaaaat gtatgagaga ggtgtgaatt 540
tttcttgtgt ctgtgactcc caggaatttc atattcacac attagccac aatttgcctt 600
tagtaatttt tttttttaa agctccagtc tgcagctccc agtgagacca acgcagaagg 660
tgggtgattt ccagctgagg tgcccgggtc atctcattgg 700

```

<210> 1131

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1131

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aaaggctctgt ggagaaaaat gtatgagaga ggtgtgaatt tttcttgtgt ctgtgactcc 60
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agctccagtc tgcagctccc agtgagacca acgcagaagg tgggtgattt ccagctgagg 180
tgcccgggtc atctcatttg gactagttag gcagtgggtg ccaccacag agagcaagca 240
gaagcagggg ggggcatcgc ttcacctggg aagtgcagg agccagggga cctcccttcc 300
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ggtttcaagc acaaaactga gcagctgatt gggcaggcac tgagctagct acaggagttt 480
ttttgtactc cagcggcacc tggaaccata atgagacagg agacaggaga gacaggagaa 540
ccgtccactc cctagaaag ggggctgaag ccaggagacc aagtggctct gctcagcagg 600
tccactccc acagatccca gcaagctaag aaccactggc ttgaaattct cactgccagc 660
acagcagtct ggagttgacc cagaatgac gagcttggtg 700

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<210> 1132

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1132

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tggaaccata atgagacagg agacaggaga gacaggagaa ccgtccactc ccctagaaag 60
ggggctgaag ccaggagacc aagtgtctt gctcagcagg tccactccc acagatccca 120
gcaagctaag aaccactggc ttgaaattct cactgccagc acagcagtct ggagttgacc 180
cagaatgac gagcttggtg gcgaggagg catccaccag tactgaggca ttagtaggag 240
gttttccctt gacagtgcta aggagactgg gaggtttgga atgggcagaa tttaccacag 300
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gtacagagca tctggaggga agggcagctg cagtcacaac ttcagcagac ttatatcttt 480
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tgtactagct ctgctaagga acagactgcc ttctcaagtg ggtccctgac ccctgtgcct 600
ctgactggga gagacctccc aacagggatc aacagacacc tcatacagga gagctctggc 660

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tgccatcagg ccagtgcgcc ctgggatgaa gcttccagag

700

<210> 1133

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1133

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acagactgcc	ttctcaagt	ggtccctgac	ccctgtgcct	ctgactggga	gagacctccc	120
aacagggatc	aacagacacc	tcatacagga	gagctctggc	tgccatcagg	ccagtgcgcc	180
ctgggatgaa	gcttccagag	gaaggagcag	gcagcaatct	ttgctgttct	gcagcctcca	240
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cagaagaggg	gcctgactgt	tagaaggaaa	actaacaac	agaaagcagc	aacaacaaca	360
acataaaaaa	gatccccaca	caagaacccc	atccaaagg	cattagcctc	aaagatcaaa	420
ggtagataaa	tccatgaaga	tgaggaaaaa	ccagtacaga	aatgctgaaa	attccaaaag	480
ccagaatgcc	tcttctcctc	caactgattg	cagcacctct	ccagcaagg	tgtaaaactg	540
gacagagaat	gagattgatg	aattgacaga	agtaggcttc	agaagatggg	taataacaaa	600
ttcctctgag	ctaaaggagc	acgttctcac	ccaatgcaag	gaagctaaga	acctaataaa	660
aggttacagg	aactactaac	tagaataacc	agttcagaga			700

<210> 1134

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1134

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acgttctcac	ccaatgcaag	gaagctaaga	acctaataaa	aggttacagg	aactactaac	180
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taatttagtg	aagcataaac	aagtattagt	agccaaatca	cgtggaagaa	aggatgtcag	300
aaattgaaga	ccaccttgct	gaaataaagc	atgaagacaa	gattagagaa	aaaggaatga	360
aaaggaatga	acaaagcctc	cacaaaaatat	gtgactatgt	gaaaggacca	aacctacaat	420
taatgggtgt	acctgaaagt	gatggggaga	ttggaaccaa	gttggaaaac	acacttcagg	480
atattatcca	gaacttcccc	aacctagcaa	gataggccaa	tattcaaatt	caggaaatac	540
agagaacacc	acaaaaatac	tccttgagaa	gatcagcccc	aagacacata	atcttcagat	600
tcaccaaggt	tgaaatgaag	gaaaaaatgt	taagggcagc	cagaaagaaa	ggtcgggtca	660
cgtacaaagg	gaagcccatc	agactaacag	cagatctctc			700

<210> 1135

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1135

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gaaaaaatgt	taagggcagc	cagaaagaaa	ggtcgggtca	cgtacaaagg	gaagcccatc	180
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ttcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	tatatccagc	caaactaagt	300
ttcataagca	aaagagaaat	aaagtccttg	agagacaagc	aaatactgag	gattttgtca	360
ccaccaggcc	tgcttgcaa	gagcacctga	aggaaacact	aactatggaa	aggaaaaact	420
ggtaccagcc	attgcaaaaa	cacatcaaaa	tataaagacc	atcaacacta	tgaagaaact	480
gcatcaacta	atgtgcaaaa	tagccagcta	gcatcatgat	gacaggatca	gattcacaca	540
caataatatt	aaccttaaat	gtaaatgggc	taaatgcccc	agttaaaaga	cacagactgg	600
caaattggat	aaagagtaaa	gacccatcca	tgtgctgtat	tcagtagacc	catctcatgt	660
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<210> 1136  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1136  
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 gacccatcca tgtgctgtat tcagtagacc catctcatgt gcaaagacac acataggctc 180  
 aaaataaagg gatggaggga tatttaccaa gcaaatggaa agcaaaaaaa gtaggagtgt 240  
 cagtcctagt ctccgataac acatacttta aaccaacaaa gatcataaaa gacaaaagg 300  
 ggcattacat aatggtaaag ggatcaatgc aacaagaaga gctaactctc ctaaagtgtac 360  
 atgcacccaa tacaggagca cccagattca taaaacaagt tcttagagat gtacaaagag 420  
 acttagactc ccacacaata aaaaaggagg actttaacac cccactttca atattagatg 480  
 gatcaacgag acagaaaatt aacaaggata ttcaggatgt gaactcagct ctggatcaag 540  
 gggacctaata agacatctac agaactctcc accccaaatc aacagaatat ttattcttct 600  
 cagcaccaca tggcacttat tctaaaattg accacatgat tgggagtaaa acactcctca 660  
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<210> 1137  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1137  
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 tctaaaattg accacatgat tgggagtaaa acactcctca gcaaatgcag aagaatggaa 180  
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 gaaagctgga aagatctcaa attgacaccc taacatcaca attaaaagga ttagaaagca 480  
 ggagcaaaaa aattcaaaaa ctagcagaag acaagaaata actaagatta gatcagaact 540  
 gaaggagata gaggcacaaa aaacccttca aaaatcagtg aatccaggag gtgggttttt 600  
 gaaaaaaaaa aaaaaattaa caaaatagat agactcctag ctgactagt aaagaagaaa 660  
 agagaagaat caaatagaca caataaaaaat gataaagaga 700

<210> 1138  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1138  
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 caaaatagat agactcctag ctgactagt aaagaagaaa agagaagaat caaatagaca 180  
 caataaaaaat gataaagaga atatcagcac tgatcccaca gaaatgcaca ctaccatcag 240  
 agaatactat aaacacatct acacaagtaa actagaaaaat ctagaaaaaa tggataaatt 300  
 cctggacaca tacatcctcc caagactaaa ccaggaagaa gtgcagatccc tgaatagacc 360  
 aataacaagt tctgaaatcg aggcaataat taatagccta ccaacaaaaa aaatcccagg 420  
 accagacaga tttcacacc aatttctacc agagggtaca agaggagctg gtaccattcc 480  
 ttctgaaact attctaaata attgaaaaag aggcactcct cctgaactca ttttatgagg 540  
 ccagcatcat cctaatacca aaaccttgca gagacataac aaaaacagaa aacttcaggc 600  
 caatatccct gatgaacatt gatgagaaaa tcctcaataa aatactggca aaccaaattc 660  
 agcagcacat caaaaaagtt atccaccaca atcaagtcag 700

<210> 1139  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1139

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aaaccttgca gagacataac aaaaacagaa aacttcaggc caatatccct gatgaacatt 120
gatgagaaaa tcctcaataa aatactggca aaccaaactc agcagcacat caaaaaagtt 180
atccaccaca atcaagtcag ctccatccct gggatgcatg gctgggtcaa catatgcaaa 240
tcaataagcg taatccatca cataaacaga accaatgaca aaaactgcat gattttctca 300
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aatcaggcaa aagaaagaaa taaaggggtt aaataggaag agaggaagtc aaattgtctc 600
tgtttacaga tgacatgatt ctatatattag aaaaccctat tgtcttgccc aaaatctctc 660
taagctgata agcaaattta gcaaagtctc aggggtacaaa 700

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&lt;210&gt; 1140

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1140

```

cactcctatt caacatagta ttggaagttc tggccagggc aatcaggcaa aagaaagaaa 60
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tggtactgct accaaaacag atatatagac caatggacca 700

```

&lt;210&gt; 1141

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1141

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gaacctgtat agccaagacc taagcaaaaa caacaaagct ggaggcatca cgctccctga 120
catcaaacta tactacaagg ctacagtaag caaaacagca tgggtactgct accaaaacag 180
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tctgatcttt gacaaacctg acaaaagcaa tggggaaaagg attccctatt taataaatga 300
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gcttctgcac agcaaaagaa actatcatca gagtgaacag gcaaccgaca gaatgggaga 600
aaatttttgc agtctaccca tctgacaaag gtctagtatc cagtatctac aaggaactta 660
aacaaattta caagaaaaat caaatgaccc cgtgaaaaag 700

```

&lt;210&gt; 1142

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



&lt;400&gt; 1142

```

aaagccaaaa tagacaaatg ggatctaatt aaactaaaga gcttctgcac agcaaaagaa 60
actatcatca gagtgaacag gcaaccgaca gaatgggaga aaatttttgc agtctaccca 120
tctgacaaag gtctagtatc cagtatctac aaggaaactta aacaaattta caagaaaaat 180
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tcaaaaccac agtgagatac catctcatgt aagtcagaat ggtgattatt aaaagtcagg 360
aaacagtaga tggtgacgag gctgtggaga aataggaatg cttttacagt gttggtggga 420
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aaccataaaa aagaatgaga tcgtctcctt tgcagggtaca 700

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&lt;210&gt; 1143

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1143

```

caatcccatt actgggtata tacctaaagg attagaaatc attctataaa gacacatgtg 60
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```

&lt;210&gt; 1144

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1144

```

tcaaagtaag attaaaaaat aaataaaaaat gaaaaagaca aaaaaaaccc cacagaaatt 60
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gggtatctgt gcagaatgtg cagttttgtt acataggtat 700

```

&lt;210&gt; 1145

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1145

```

gccctatgat ctgagttctc taatgagttt aggaaaagtt atgattttgt agtttatctg 60

```

```

gctattgttg ctgttaggat gtaatactca tcccagcttt ccacatcctg caatttcttt 120
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aaatagtagt tctggttcta gatccttgag gaatcaccac 700

```

&lt;210&gt; 1146

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1146

```

cattttcttt atccagtata tcaactgatgg gcatttgggt tggttccaag tctttgctgt 60
tgtgtacagt gccgcaaata aacatacgtg tgcattgtgtc ttcatagtag aatgatttat 120
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gatccttgag gaatcaccac attgtcttcc acaatggcta aactaattta cactcccacc 240
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gccattactt ttgggtgttt aatcatgaag tctttgtcca 700

```

&lt;210&gt; 1147

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1147

```

ttccttgtag attctggata ttagcccttt gtcagatgga tagattgcaa acattttctc 60
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gcagtctttt tttaggttcc acatgaaagc taaagtagtt tttaccaa tctgtgaagaa 660
agtcaatggg aacttgatgg ggatagcact gaatctgtta 700

```

&lt;210&gt; 1148

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1148

```

actaccatgt tttggttact atagccttgt agtatagttt gaagtcaggg agcatgatgc 60
ccccactttt gtacttttta cttaggattg tcttggctat gcagtctttt tttaggttcc 120
acatgaaagc taaagtagtt tttaccaa tctgtgaagaa agtcaatggg aacttgatgg 180

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<210> 1149

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1149

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cctgtctcca ccaggttttg gtatcaggat gatgctggcc tcataaaatg agttaggggg 660
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<210> 1150

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1150

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tctatctcct tccaatctgc tctgatctta gttatttctt gtcttctgct agcttttgaa 660
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```

<210> 1151

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1151

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tttcttcttt attagtctga ctagcgtct atctatttta ttgatctttt caaaaaacca 60
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tctgatctta gttatttctt gtcttctgct agcttttgaa tttgtttact cttgcttctc 180
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agttctgatg tcttttatgt ccacttggtc cagagctgag ttttaagtcct gaatatcctt 660
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```

&lt;210&gt; 1152

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1152

```

atttgctgag gagtgtttta cttccaatta tgtgggtcaat tttagaacta gtgcaatgtg 60
gtgctgagaa gaatgtataa tttgttgatt tgggggtggag agttctgatg tcttttatgt 120
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catttaagggt taatattgtt atgtgttaat ttgatcctgt cattatgata ctagctgggtt 660
attttgcttg ttagtgtgat cagttttctt atagtgtcaa 700

```

&lt;210&gt; 1153

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1153

```

ttcacatgag atgggtctcc tgaatacagc acactgatgg gtcttgactc attaccaat 60
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```

&lt;210&gt; 1154

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1154

```

taaccgagcc tttctctctg gctgccctta acattttttc cttcatttca accttgggtga 60
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gaagttcttg tgctgtgttt ttcagctcca tcacgttatg ttcttctcta aactgggttat 480
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caattcatcg aactcattct ctttccagtt tttttctctt gctggcgagg agttgtgatg 660
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<210> 1155

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1155

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<210> 1156

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1156

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<210> 1157

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1157

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```

<210> 1158

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1158

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tatttctgtt cttatagcat tgcagtcaaa gaatatgggc aataaaattht ctgctttgag 180
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<210> 1159

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1159

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ttctacttg gtgttcttgc ctctctttt accaacaaca atttattgtt caccagcag 180
ccaaagggaa tattttccag ccaaagccc tctcatgact tccctcacac ttatgcttct 240
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cacatctcaa gcaagtgcg tgggagtggt agttgtgata 700

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<210> 1160

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1160

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700

<210> 1161

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<212> DNA

<213> Homo sapiens

<400> 1161

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cccaggctgg	agtgcagtgg	tgtgatcaca	gtcattata	gcctcaaact	cctgggctca	660
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<210> 1162

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1162

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tattagagtt	ttccaaaggg	gaattctgca	tcctggatag	ctgaaataga	gactatgttt	600
ggggataagt	agactacttt	gatgccttca	gtgttgaact	catgggggtc	tgggtagcca	660
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<210> 1163

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1163

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gactggcagc	tggtatacaa	ctgttccttg	caaggattgg	gagttagcag	ctttatggat	360
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cttctcctat	taccttgata	tttttaaggc	caaacctctt	gctaaaatta	tcaaaccatc	600
ctttgctggc	attaaatttt	tcagcttttag	ctccttcacc	ttcctatttg	tttggtttatt	660
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<210> 1164  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1164  
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 caatgcccag ctaatttttg tatttttagt agagatgggg tttcaccatg ttggccaggc 360  
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<210> 1165  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1165  
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 ttacactaga ttcatttatc ttgaaatggt ggacacactg cagctgcaga cctcaatgta 240  
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 gcactttcca gcatggttgg aaagttgagg cctctttcaa ctcatcactc tttcttcctg 360  
 ggtccctctc tatggaaaac aggtaatgca aatttcacaaa ctgtgcacta tggttccaac 420  
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 ggttttatcc agattatcag taggatcaca ctgttctgtc attcggtttg ctagacttgt 540  
 ttcatataac tcagtttcac caatatagca cttttccttg ggcttttctg aaaatatcac 600  
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<210> 1166  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1166  
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 tgagcagatt cgtgagaaga cttgcggtgc caaatgtgtt ttatgttgcc atggtgcttg 180  
 ctcttagctt catctgtcat gagggttttg tttctcatag tagtgttttc tcctaccaa 240  
 ttccactaca catcctctcc tacccttttg taaacctgc cccaaacaaa cagagcaatt 300  
 aatctagaac tgtgttgtcc agtacagtag ccattagcca tatatggcta ttttaattaa 360  
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 catatttcag gtgttcaata gccacatgtg ctagttagct ctacattgga cagtgcagat 480  
 atacaacatt ctgattacca cagaaagttc tattggataa tgctaactca gaataatact 540  
 gccaaattcc agcaggacta tcaaggtaga tgtaagtact ccaaggcaca ttcttatcac 600  
 gttccctgtt gccactatag aaagtataac ttcttcatta ttccagttgc ccatctggta 660  
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<210> 1167  
 <211> 700



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1167

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gagtgggaag tcttgcattg gaaaggcctt cttaggtgca gtagtatttg ttattttaca 600
ccttaacctc aaaggaagtc cttctttttc ttgggatgga gcactttagt tctcataact 660
cttctctgaa gtcattgcag agtgggtgga ggaaggtagag 700

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&lt;210&gt; 1168

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1168

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ccctgatact atcccagatc attattcttc ctctagtcct 700

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&lt;210&gt; 1169

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1169

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ggtaaaagac attttgcctt atgctagaga aaaagggagg tagtggtttc atctgccact 60
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cagagggagc agcctccttt ggcccttgct tgtctgactt ctaatgatcc tgtaaaaatt 660
agttttgttt tttaagcacc ccaatgatgc atgaatacac 700

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&lt;210&gt; 1170

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1170

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ccaggaaggc ccaccagtat ggcagggagg cctaggcaga gatatacagg agagcagaga 60
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cgccagttgt gttagaccct ggccaggcct gcttcctcaa agaccagag taaacatgaa 600
ctgtaaaactc caaaactgta caactagttt ttaaagaaag attgccaag atactggcac 660
aagacttttt aaggcctagg atttgcata tagacctatg 700

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&lt;210&gt; 1171

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1171

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cccttcctgt gaccatgtgt tctcattgtt cagttccac 700

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&lt;210&gt; 1172

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1172

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&lt;210&gt; 1173

&lt;211&gt; 700

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

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<210> 1174  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 1174
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<210> 1175  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<210> 1176  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 1176
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<210> 1177  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 1177
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agagtctcac tctgtcacc caggctgtaga gcagtgggtc aatcttggct cattgaaacc 360
tccacctccc aggttcaagc aattcttgtg cctcagcctc tggagtagct gagattacag 420
gcacacactc ccatgcccgg ataatttttt tttttttttt tttttttaag tagagatggg 480
gtttcaccat gttggccagg ctgatctcga actcctgata tcaagtgatc tgacctgtct 540
ccaaagtgtc gggattacaa gcatgagcca ctgcgcctgg ccggtttctg gtataattct 600
tgatcttatt aaggatgctt ctagtagtc ctagtagaca aagaattttt ctcataaaacg 660
gatgtttctg ttgagatgat catctttaga ttaaccaatt                700
```

<210> 1178  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

```
<400> 1178
ctgatctcga actcctgata tcaagtgatc tgcctgtctc ccaaagtgtc gggattacaa 60
gcatgagcca ctgcgcctgg ccggtttctg gtataattct tgatcttatt aaggatgctt 120
cctagtagtc ctagtagaca aagaattttt ctcataaacg gatgtttctg ttgagatgat 180
catctttaga ttaaccaatt attgtggaga agtacattgg tagattttcc ataatacaat 240
ttgcattcct gggaatgacc ctgcttgatc atgatctgtt attcttttaa ttcaatttgg 300
taatgtctta ttcctactga gttctacctc agtaaaaaatt ttcacaaaaa ctgtgcctag 360
cctccaggct ggggtggcatg ttccttctct atgcaccgag agcaccatgt ctgtcttttt 420
ctaatacctc tctagttttg tacttacaat ctggtattat aattacatgt cctcctcagt 480
ggaatatgcc attgttgaga gacagacttt tgtcttcttc ctaattgtat cctcagtgcc 540
cagataaggc ctgattttaa gcaggccttt ggaaaatatg tctagtctgt gcgaaaatgc 600
ttaccattcc cctgacaggg acaagtgcc agtccccata ctagtttagc tttgtgcgca 660
gagccctggc cttgttggtc cagcttatca tgcagacaag                700
```

<210> 1179  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<400> 1179

```

gacagacttt tgtcttcttc ctaattgtat cctcagtgcc cagataaggc ctgattttaa 60
gcaggccttt ggaaaatatg tctagtctgt gcgaaaatgc ttaccattcc cctgacaggg 120
acaagtgcc agtccccata ctagtttagc tttgtgcgca gagccctggc cttgttggtc 180
cagcttatca tgcagacaag agccatgtca atactggtgg acccgccttg ctgtgggagc 240
tggagagcca gatatgetca cagctccttc tcagttacac ctaagctgcc tgtggggagc 300
tcaggactct gcatgcgcct ccacatcttc aggccgaaga ttctccatca cttccaagaa 360
agcacgtca aatgtgaaag cagataaatc attagcacc cttgtctggg cttgttactg 420
ttcaacaggg gttctctttc tgggaaccta agatacttca tgtgtacctt agcagcagct 480
aatgggggtg gatggaagtg gtcaccaggc attccagtca ccagggatg cctaggtccc 540
tttaccagga agcagcgaga gaggcataat ggacacaact ctgtctttct tatagaagac 600
acctgtttca ggccaggcct ttatcttgct gaagctgacc ccactgaagg gtcattgtgc 660
tttggttaga aaaccactgc aaccaaagcc atccagtgc          700

```

<210> 1180  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1180

```

gtcaccaggc attccagtca ccagggatg cctaggtccc tttaccagga agcagcgaga 60
gaggcataat ggacacaact ctgtctttct tatagaagac acctgtttca ggccaggcct 120
ttatcttgct gaagctgacc ccactgaagg gtcattgtgc tttggttaga aaaccactgc 180
aaccaaagcc atccagtgc aaagtagtgg gatccctcat actggagcag gcagacacct 240
actgtcccag tagtctcatg tcagaaacaa cactcaacat acattgtctt ttgtgccag 300
cttgggagct ggtctgtgag gactgagggg tcccaggtag cttgagttct tgtaaccata 360
cagtggatgg acacagacac agcaccatcc tagggctggc agatactcca tgctcatcgg 420
tgccagcctg ctcatcaaca gaatcaccca cctccattct gtcaccacc aggtatttac 480
tgagactctt ctacatgaca tgtgccattg agggtagctg gagaatagca gcagacntat 540
aatacaaaaag cccctgccct tgaggggggc tacctggttt ccagggtgcac cccagttta 600
tctcatgggt taggtggcac tatttatgac tcaccaagtt tgtgacagat gatcagtgtc 660
ttccttctgt ggctgcagtt tatctgtgca cagatgctgg          700

```

<210> 1181  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1181

```

tgtgccattg agggtagctg gagaatagca gcagacntat aatacaaaaag cccctgccct 60
tgaggggggc tacctggttt ccagggtgc cccagttta tctcatgggt taggtggcac 120
tatttatgac tcaccaagtt tgtgacagat gatcagtgtc ttcttctgt ggctgcagtt 180
tatctgtgca cagatgctgg catccttcaa tccagggtctc aggtttgggt cagggcttag 240
cttgaggcag taggaagaac agagctctct ggatggttta ggcaagcttg tccaacccat 300
gactcacagg ctgtatacta cccatgacag ctttgaatgt gacccaacat aaattggtaa 360
actttcctaa aacattatga gattttttgt tttctttttt tttttttttt tttttttttt 420

```

```

ctcatcagct attgttagtg ttagtgaatt ttatgtgtgg cccaagacaa ttcttcttcc 480
aaagtggccc agggaaacca aaagattgga catctctggg ttagagattc agttgggttc 540
ttcaacttca gttcttggtg tacagggatg gcctctgact tgctccacat cctcaatccg 600
gccaccacct ggttttctgc acacaggaaa cacttggaac tgttggtgta aacaatgagt 660
gagagccaag tgccaagtgc tgggctaacc tcgctcacag 700

```

<210> 1182

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1182

```

aaagattgga catctctggg ttagagattc agttgggttc ttcaacttca gttcttggtg 60
tacagggatg gcctctgact tgctccacat cctcaatccg gccaccacct ggttttctgc 120
acacaggaaa cacttggaac tgttggtgta aacaatgagt gagagccaag tgccaagtgc 180
tgggctaacc tcgctcacag ccaattaggc ataaagtaac cagggtgta agagaagtgg 240
aaacagagat gcagatgctc caaggaggcc agacacttgc cctcctctct tggtagtcc 300
tgtgctcaga aggggcacaa cggagacgtg cttgggctgt ccatacggca gtctctctgc 360
ggcagtggag aaagctctgg tctgtgtgta tagtgtgcat gcaggggagt gtgcatatgt 420
gtgtatatgt gcctacatgc acatgcatgt tcacattggc tctgggtcccc acaacaacac 480
cattataggg ccctgcttag ccaccccttc tgcagtgggg gggggggagg ggaaaggggt 540
tcctgactgc tgtgtcactt ttggatagtc actgtttttt gtgtgcagca ctcctacctc 600
acctacccca cccctagagg caggcagggt gatgactgaa gcatcaggcc tgtgggtttc 660
gtaacaggaa gtgatttaga tgctgaaagc taatttttaga 700

```

<210> 1183

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1183

```

ccatcccttc tgcagtgggg gggggggagg ggaaaggggt tcctgactgc tgtgtcactt 60
ttggatagtc actgtttttt gtgtgcagca ctcctacctc acctacccca cccctagagg 120
caggcagggt gatgactgaa gcatcaggcc tgtgggtttc gtaacaggaa gtgatttaga 180
tgctgaaagc taatttttaga tgaaatgata tgggggtttt aaagaatctt tcagggttgg 240
tttcaggctc aaggcttagc cccctgctcc tcttgccctac aggggacagg cagtttccca 300
ttgtccttgt cactgtctng ctgggtgaac tcatgcctag ctgggcaggg ttcttaggta 360
gaaagccagt gctgattttt cctggatttc agaattgtta agtcattgtt tttggccttg 420
aacaccagag tcctgtgact cagcacaggc ctggctctag gccaagcaga cacaggacct 480
cttatccctg gaangggact gcctggaggc tccaaggat ctgttagga cagagatgtc 540
caccctcacc caggctgagg cctgggccag aggtcagatg aggcctcttg gccaaaaaaa 600
gtatcatctt ggggtggcaga cacttaggtg gggcctcttc tcccagttag ccctgtcctg 660
agcctcttag caggggcggc tttctgacct aggtgccaca 700

```

<210> 1184

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1184

```

gcctggaggc tccaaggat cttgttagga cagagatgtc caccctcacc caggctgagg 60
cctgggccag aggtcagatg aggcctcttg gccaaaaaaa gtatcatctt ggggtggcaga 120
cacttaggtg gggcctcttc tcccagttag ccctgtcctg agcctcttag caggggcggc 180
tttctgacct aggtgccaca ctaaggatcc catcctgatt gagcctgta gattgggact 240

```

```

cctgatagca gcagacacaa aagaaactga ggagtaggca cagaactctg agagtcctgt 300
cctcctgggtg tcgggggtccc actgggttggg gaccttggag cctcatgggt tctgtctctg 360
ccaaggcctg agcacaggaa atagaagggt gggcctccct ggtcacctct gcaagggtct 420
tcaaagccca ttttaatctg ttgtcccatt ccctaggtct tccacagcac ccctatacca 480
gagaatgctg ctcccattat cagagaagca gccaaatata agcatgctaa gagagatgtc 540
ccagggttac atagcttcac tcaggcagca ttggagccag ccaggccagg agcttaccct 600
gtcccatact accgatggga tgcccagcat tcagggaata gagctcactc tgcatacttc 660
atctagacag cagccagcct catgaacccc taccacaaac 700

```

<210> 1185

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1185

```

cagagaagca gccaaatata agcatgctaa gagagatgtc ccagggttac atagcttcac 60
tcaggcagca ttggagccag ccaggccagg agcttaccct gtcccatact accgatggga 120
tgcccagcat tcagggaata gagctcactc tgcatacttc atctagacag cagccagcct 180
catgaacccc taccacaaac ctgggacctc tggaaagcca agtataagtc tctgccagtt 240
cttagtccac ccttggtctg ctttgtggtg aggtatagct tgggagatga ggcgaggcct 300
ataggtcttg gttggtacac aagaagaaac acttctgcct agagaggctg tcgacagaca 360
tttccaggga cacacagcag acagccttca tggccttcat gaccagtcgg tcccttgttg 420
aagacaagta ggacaggaca gatgattagc ccagagccaa aactgagctc aaaccgcaga 480
agaggagagc attctcacia aagctccagt gtttgacgca caatgacgga ggtagatggg 540
gtgagctaag ccctgttttg agagttccat agaagggtgc tttgacctat tttcaagggc 600
tgtggtggtg ggaggaattt ttggccacat cataaagagt tttgtggcca cctctgatat 660
acctagctca ggaagtgtga attttccatg attaggttat 700

```

<210> 1186

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1186

```

aagctccagt gtttgcagca caatgacgga ggtagatggg gtgagctaag ccctgttttg 60
agagttccat agaagggtgtc tttgacctat tttcaagggc tgtggtggtg ggaggaattt 120
ttggccacat cataaagagt tttgtggcca cctctgatat acctagctca ggaagtgtga 180
attttccatg attaggttat tagtcaccaa agtgattgct gccccagac cctggccccct 240
gtgctgcagg aggtgcagag agatgccctc ccagcactgc agccctgcct cccagctgc 300
aggccagaag ccaaggaggc cctgagtact gatgttgggc cctctgggtg cttcccttgt 360
ttgtggaacc ccacagcccc attccaactt cttgagcact ttgcctacct caggagattt 420
aactggggca agaaatcctg taagatctca acaaacggac gtgggtagaa tagctcccag 480
aaaatctact caagggaaga cccatgtact ccaaggatc aataatggtg agggactcag 540
tctgtaactt tctaggacag tttcatttca ttttaaaaat ttaagatgaa agaatttatt 600
aatggaagta gttcatgaag cactttcagg aaaccacaca ggactcagag ctccctgcct 660
ttagaaagac aggactgtgt cagcctgtgt ggcattcaca 700

```

<210> 1187

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1187

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cccatgtact ccaaggatc aataatggtg agggactcag tctgtaactt tctaggacag 60

```

```

tttcatttca ttttaaaaaa ttaagatgaa agaatttatt aatggaagta gttcatgaag 120
cacttttcagg aaaccacaca ggactcagag ctccttgccct ttagaaagac aggactgtgt 180
cagcctgtgt ggcattcaca cctggattcc caggggtgggc ttcccttaga aagggagaaat 240
tagttgcagc ccatctctct gtgggaatct cacctggtga gccccttctc ccaaactcct 300
agagtgtctc accccagctc ctgggctcga ctggtgcctc tgaggagcgt acctgctgtt 360
ggaattggcg gagcgctgcc aggcctgagga gcgaggagag cctgcccctg ggccctgcca 420
ccaaagccat gggggcagtc gcatgctttg cttgtcagtt ggtggcattt aggtggcatt 480
aggaatgttt gttgtttcta attatttgtt tgtttgtttg tttatttgaa agtaatccct 540
ctttttccaa aggcctgcat gctgccttga ttctggagga gccagggatt ggcccaatga 600
cccaaagtgt tggaagtctt taagggccct tttcatgccc gtgaagtcac agaagtaggt 660
aatcaccacac ctaccctccc caggtaccgcg atatngatgt 700

```

<210> 1188

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1188

```

attatttgtt tgtttgtttg tttatttgaa agtaatccct ctttttccaa aggcctgcat 60
gctgccttga ttctggagga gccagggatt ggcccaatga ccaaagtgt tggaagtctt 120
taagggccct tttcatgccc gtgaagtcac agaagtaggt aatcaccacac ctaccctccc 180
caggtaccgcg atatngatgt gggtcagagg gggctgagaa ataactcagc ctcaaagcct 240
tagaccgtct tctcagggtt taaccgtcat ctcaggatag acaattcagg aagaggatgc 300
cttgccacac atgaggangt gggagtggca aatgagcagg cgttgcattc agggcaggtt 360
tagaggaagg tttggcaggt gaatgatggt ttgctgacaa actacagaca agaaattgag 420
aggacaactg ggtataggtg aggtgactac tctgccctca gaaaagtgga agtctgagtt 480
catgggggaa tgccctcttaa ataacacaga tgggcaaact ccagacatta gtgaaacctt 540
cttcgttaga cattcttttc aggggtttct catacttccc caatcacctt aatcatcagt 600
gctgaccaca actgatacct ttctgggtga ctcaaggcca gtgctcaggc gggccaccgt 660
gtgttgaatc cagctgaaga tgcaggtgca gctggaggaa 700

```

<210> 1189

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1189

```

ataacacaga tgggcaaact ccagacatta gtgaaacctt cttcgttaga cattcttttc 60
aggggtttct catacttccc caatcacctt aatcatcagt gctgaccaca actgatacct 120
ttctgggtga ctcaaggcca gtgctcaggc gggccaccgt gtgttgaatc cagctgaaga 180
tgcaggtgca gctggaggaa ggactagccc tgaatgggca ccaaccccaa aagaatccac 240
tgactgtcac ttaggcaaaa gttccgcagt cacattgctt ttggatcctc cgccctcact 300
ttcctgagag gtatttggtg caaatagccg gacctctgga gtgggagaca cctgactcca 360
gttcctgcca cttcctcctt cctgctagtt gccagacctt ggacagtttg gtaactttga 420
atttgccctt gtcaaattna ttcatttact catgactca ctcactcatt cactcaacat 480
aaattcctga gtagcttcca tgtgccaggt actagtttag gtacttggga gtgatcagta 540
gaggaatatag gtaagtgttc cgccttcaga aatgtgtatc atggcatggg aggtacaaaa 600
taagcaacaa agctgttaac aagttagaaa gtggtgaagt ctatgggaaa aaacagagca 660
agataagcag tgcttggagt ggtggtagaa ggggctgcaa 700

```



<210> 1190  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1190  
 tgtgccaggt actagtttag gtacttggga gtgatcagta gaggaaatag gtaagtgttc 60  
 cgccttcaga aatgtgtatc atggcatggg aggtacaaaa taagcaacaa agctgttaac 120  
 aagttagaaa gtggtaagtg ctatgggaaa aaacagagca agataagcag tgcttggagt 180  
 ggtggttagaa ggggctgcaa tcttaaacag tatggacatg gcagatctct gagaaaataa 240  
 catctgagca aagacttgaa ggtgttgaag gcgttagccc cttttaggca caggggaagag 300  
 ccagcgcaaa ggctctgagg ctggtgtgtt caaggagcaa catggaggca agtgtggctg 360  
 gagcagaatg agtgagcaga gagggtcaca ggggaaaaga aagtgatgga aagataaagg 420  
 ggaagatgat gcggaccctg caggccactg tgggaactat ggcttttctg tggtaaaaca 480  
 cagaactcca agagggtttt gaacagaggg ctatgatctg actagagcat aacaggatca 540  
 ctctggctgc tgagttgaga atagattata gagcagggaa caggtagaag cagggaaatt 600  
 agctaggctt cactgaagt atattctaga agataatagt ggctggaatc atcatggatt 660  
 cagtggaaat ggggagaaaat gagaaatgtt ggattctgga 700

<210> 1191  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1191  
 gaacagaggg ctatgatctg actagagcat aacaggatca ctctggctgc tgagttgaga 60  
 atagattata gagcagggaa caggtagaag cagggaaatt agctaggctt ccactgaagt 120  
 atattctaga agataatagt ggctggaatc atcatggatt cagtggaaat ggggagaaat 180  
 gagaaatgtt ggattctgga cctgttttgg aagaagaatc atcagcattt gctgatggct 240  
 tagatgttga gtatgagaga gagatcagag ttaaggatga ctccaagggt ttttctctga 300  
 gcagctggaa agaaggattt gacctcaact gagacaagaa gactatatgt ggggcaggca 360  
 tgaaggggaa gattaggagt tcacttttagc acacataaaa tgggataatt atacttcaca 420  
 ggctgtagtg aggggttaaat atgataatat atgaaaggct ttagtactag caagctctta 480  
 gtaaattgtca ctttcccttt ttcttttctca aagagggtgt gaagcatgaa cagctggggt 540  
 ccccaaacca atttgactaa ttgcctttct gtagaagtaa tgtgccaatc agatgccaaag 600  
 acagcctcct ccctgtggtt ttctcactct tcaggaaaact ttcactgttg ctaacagggt 660  
 ctttagattt gtcaaagggt tctcggtgat gttgacacac 700

<210> 1192  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1192  
 ttcttttctca aagagggtgtt gaagcatgaa cagctggggt ccccaaacca atttgactaa 60  
 ttgcctttct gtagaagtaa tgtgccaatc agatgccaaag acagcctcct ccctgtggtt 120  
 ttctcactct tcaggaaact ttcactgttg ctaacagggt ctttagattt gtcaaagggt 180  
 tctcggtgat gttgacacac tgatgtgatg atgagtttct gcacagggg cactgtggcg 240  
 cccagacagc ctccatctat gtgctcaccg tttccatatc agtcactctg ctggtgtcac 300  
 atgagcaaga ggcattgatc cttcagcaga acagtttgggt tctacagaca cacaccgaca 360  
 tccatatcac tcctgtccc cccacccccca ggttgttatg ggactgttga aaaattactt 420  
 acctgtgagg taggtactat tattccatt ttatagatga agaacaaagg ttccagagagg 480  
 cttgttatat gaattaagt aatgagtata tgcaaaaatg cttagtacca ctgtgcctag 540  
 aacttagtaa atgcttgaga aaggttaacc attgttaata aatgttaatc attgtcagta 600  
 gttcaagaaa ggaaggattt tctccaaaac tacacttttg ttataaaaaga cagtaggctg 660  
 acttaacatt aggtcacaaac tttatcttag ctatttgaat 700

<210> 1193  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1193

```

aatgagtata tgcaaaaatg cttagtagca ctgtgcctag aacttagtaa atgcttgaga 60
aagggttaacc attgttaata aatgttaatc attgtcagta gttcaagaaa ggaaggattt 120
tctccaaaac tacacttttg ttataaaaaga cagtaggctg acttaacatt aggtcacaac 180
tttatcttag ctatttgaat catttgattc tgaataatat tgttggcatg tggcacatta 240
caatttttaa atgaacaaaa caaaaaaggt tatagtctgt atagtagaag cattttcata 300
cagggaataa ttggatatac ttgactttat ggatgagaaa atccaggtag ctggaaggat 360
gctacccaag ggccatcttt ggatatggga tgctctttac ttgtttgaat ttttaacagt 420
aaacttaaat cattcttagg acaataggct agtttgtaaa gatgtctctg aaatgtccgg 480
taagatttgt gtggtacctg tgtgattaac tgttttcagt ggttacattg ctttatctga 540
ggggccacct gactgtgctg acaccatgat ggacagccca agtcagggtg catgagatag 600
tgaggcctag caaaacagat tccttagaag tgcccaaact tccctcttca gctgagggtg 660
gtgactgctc agaccagag ccgtgcacat gcttagtcat 700

```

&lt;210&gt; 1194

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1194

```

tgtgattaac tgttttcagt ggttacattg ctttatctga gggggccacct gactgtgctg 60
acaccatgat ggacagccca agtcagggtg catgagatag tgaggcctag caaaacagat 120
tccttagaag tgcccaaact tccctcttca gctgagggtg gtgactgctc agaccagag 180
ccgtgcacat gcttagtcat ttgatcactg tctgagaaaag ccttctctct gggtagaaac 240
gtaagaacaa cttgagggtt gtatgatccc tctcaagctt gtccaatcca cggcctgtgg 300
gccacatgcg gcccaggaca gctttgaatg tggcccaaca caaattcata aactttctta 360
aaatattatg agactttttt cttttaagct catcagctat cattagtgt ttttatgtgt 420
ggcccaagac aattcttctt ccattggggc ctggggaagc caaaagattg gacaccctg 480
ctctatacac tgggttggtg tgagtgaggg ctgaggtaaa catgagacat ctttgacagc 540
ttcaggataa caaaatctct aggtccagaa gttctacttg caggcctcct gtagaactgg 600
catatatgag aacaggaatc tcacttttat tctgtttaaa tcctggagat ttgattcatg 660
gcacctgcca gtgtggacat ttgcatgtga atctcagata 700

```

&lt;210&gt; 1195

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1195

```

tgagtgaggg ctcaggtaaa catgagacat ctttgacagc ttcaggataa caaaatctct 60
aggtccagaa gttctacttg caggcctcct gtagaactgg catatatgag aacaggaatc 120
tcactcttat tctgtttaaa tcctggagat ttgattcatg gcacctgcca gtgtggacat 180
ttgcatgtga atctcagata cactggcttc attagcctgt aaaacagttc aagagacagg 240
ccaagttccc aaatgggtct tcaagaaagc tataaaattg tgcagaagca aaacatttga 300
gtacctgect ttcagccatg atgttttcta tattggaagc ctagtatcat cctgattcaa 360
cattttctct ggctcattct tagagtccag ggcagcccag tttgaaaatg gcataattct 420
catactctct gaccattggg gtcccactac cgggtaccaa actgtgaggg ggtatattac 480
tggatgtgtc acagacatcc accctgcccc acaccactga gatttgctga ttggagtga 540
tttaattgat aatttctgcc ccaacactga atgctcacac aaggcccttg actcttcct 600
ggatttccca tttatgcttc aattgtcctt gcttccattt ctgccccctt cacttgggca 660
tccccagccc tctgctttga tatctttgtg gcttggatgc 700

```

&lt;210&gt; 1196

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1196

```

accctgcccc acaccactga gatttgctga ttggagtgac tttaatggat aattttctgcc 60
ccaacactga atgctcacac aaggcccttg actcttccct ggtattccca tttatgcttc 120
aattgtccctt gcttccattt ctgccccctt cacccttgga tccccagccc tctgctttga 180
tatctttgtg gcttggatgc tgagtggaga ggagagctct ctttgggtgg gagcaggaga 240
tgactagtgg acctctgatg acaattgact ctctctcctc ctggcagccg ccttccctcg 300
gctctaccac taccactgtt caaacattgc tctctgctct ccccatggcc aggagctcaa 360
aagctgctac agaccaggag gattccagct tggacacctt atgaccaatg agctacaact 420
tcagtgggca tcactcgggc atcagcttgg attatgacca ggtcaagttg ctgagtgcc 480
ggcagtcaac aagcaactgc tgtggcgctc acctgtcaaa gttctgtcag ttcaagatgc 540
aagagcacca ggttgaaggg cacttgctgc atgtcaagtt cagttctttt tatgattaga 600
gtcagagttc cctgcaagtg agaacagagc ccagctagac ctggccccag ggctcccttg 660
ctgtctgttc cctcttcctt ctggatactt ctggccctgt 700

```

&lt;210&gt; 1197

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1197

```

tgtggcgctc acctgtcaaa gttctgtcag ttcaagatgc aagagcacca ggttgaaggg 60
cacttgctgc atgtcaagtt cagttctttt tatgattaga gtcagagttc cctgcaagtg 120
agaacagagc ccagctagac ctggccccag ggctcccttg ctgtctgttc cctcttcctt 180
ctggatactt ctggccctgt cccagggcat ttgacagggg cctccaagta cctaggccaa 240
ctgaggagca gaggtagagg tgttgaanaag cctccacctg ccaagacctt gagcactgaa 300
cccaggcagc ctctgtgccc ccagcctctg tctctatctt ctttgtgagc cttcttttga 360
ccacttctcc ccttttttac cctcactctc cagttcaggc catcaactct ggccaagcaa 420
atataaaaaac cttctcactg atccccctac tgacttttgg ccagcacagt agcctgaggg 480
atccttttaa aacataaata cagctccttc ttgtcagtc ggtctcagcc aaatgtcacc 540
ttctcagaaa ggctcccatt gaccatctan aatcttccat gccatcatca catattctat 600
ttatttttatt tttattttta aaataggttt aaagggcaca agtgtggttt tgttacatgg 660
atatattatg tagtgggtgaa gtctgggctt tcagtgtagc 700

```

&lt;210&gt; 1198

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1198

```

cagctccttc ttgtcagtc ggtctcagcc aaatgtcacc ttctcagaaa ggctcccatt 60
gaccatctan aatcttccat gccatcatca catattctat ttattttatt tttattttta 120
aaataggttt aaagggcaca agtgtggttt tgttacatgg atatattatg tagtgggtgaa 180
gtctgggctt tcagtgtagc catcacctga atagtgaaca tcgtacccaa taggtaattt 240
ttcaaccctc actccctccc atcttttgaa gtctccaatg cctgttatte cactctgtat 300
tttattttat tatctccact gacattatct tgagcattct tttgtttact gctttactgt 360
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cccaggacag tgctgataa catgggtaaat tgggtactcaa aaagtattta ttgaatgaat 480
gaatgaatga atgaatgaat nnnnccattc ttaagaagag ctacatttgc cagtcactgg 540
gctgtcaagc agtcctcagg ctgacttgag tgctgagtgg agaggagagc ctctccttgg 600

```

```

ggcgagcaag gcatgagcct gccataaccc caggagttac ggggcaaggc ctcttggcct 660
agtggatgcc agccagtagg ccacgggtct ctttaaaagc 700

```

<210> 1199

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1199

```

nnnnccattc ttaagaagag ctcacattgc cagtcaactgg gctgtcaagc agtcctcagg 60
ctgacttgag tgctgagtgg agaggagagc ctctccttgt ggcgagcaag gcatgagcct 120
gccataaccc caggagttac ggggcaaggc ctcttggcct agtggatgcc agccagtagg 180
ccacgggtct ctttaaaagc aacaggaagc caagtcctgg agataagaag tgtggctgcc 240
agcgtgatag aggtgggaag agggctgaag ggtggagagg tgggggctgc cgggcacctc 300
tgtgctgctc cctgggggatg cccagacctc tgtggctggc tggccagcac cacatgcttc 360
ctgtggagag caaggagagg agatccccctc caaaggccct ggagctggga ctgcccagc 420
agcctcacc ttgtcctcac tgtggtgggt aagacgcagg gctactgtcc cacttctctg 480
ccattcatgg acactagggc agctgccata gggcaagtgt catatccatg tgctctctgc 540
acctggctcc ctgtgcttct ctgtgtttta gactcttcat tgggtacaatg gattcctcca 600
cactggatgat tgtgaagagt ctgggaagtc tgggaggaac tggggactgg gggctagagt 660
ctcaaggagg agtgagggtc tggagggctg agatactaga 700

```

<210> 1200

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1200

```

agctgccata gggcaagtgt catatccatg tgctctctgc acctggctcc ctgtgcttct 60
ctgtgtttta gactcttcat tgggtacaatg gattcctcca cactggatgat tgtgaagagt 120
ctgggaagtc tgggaggaac tggggactgg gggctagagt ctcaaggagg agtgagggtc 180
tggagggctg agatactaga tatgagaggc agcccggtg tgggtggatgg gctggcagg 240
gctagctagc atttgatgc aacataacaa agacctggca tccctttcag tgtctcatcc 300
cggctgggtg atgccaagta gcaggaagag tgatgaaagg gcacctgagg agactcagag 360
actttgggtt aagtgttgta tctgccactg tctggcagac aagtcgtttc tctgctcaca 420
gcttcagtga tgcgtctgtg aaacgggtca tgttctctct ctcacatgat cgtggtgagc 480
attaaggaaa ttatgtaaat catttcagtg actcttcagg cttcngctcc ccattcctgc 540
tggggctcatc tctaggata gtgaggatgt ctgtggacac aaactaagga agccagaaaa 600
ccgctgtcct gactcagtgt cttgcccac cctggcctct ggcccagatt ctggaggcct 660
tagtcagggg gtgggggtct gtttgcccag agctgggggt 700

```

<210> 1201

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1201

```
catttcagtg actcttcagg cttcngctcc ccattcctgc tgggggtcatc tcctaggata 60
gtgaggatgt ctgtggacac aaactaagga agccagaaaa cgcctgtcct gactcagtgt 120
cttgccccac cctggcctct ggcccagatt ctggaggcct tagtcagggg gtgggggtct 180
gtttgcccag agctgggggt tccctataga tcctgtggga cagaacaagt gcagcccact 240
ggaaagccct tgaacagtt ggatgtcacc ctgtctgaga ggagcttaaa gctgccagaa 300
cggactggtg gactggttgg atccgcccc ttgggaaaat ccaggcatga gctgtcacct 360
ggacctgagt acagtctctg tccatcctgc actagcgagg ccattgggaa tgctcagaag 420
gggaggcgct gcgtgaaacc tgcttaatat acagcctgtc caaagggtccc agcccccagc 480
cacctgaact gccaggactg ttccatttcc ctatcctcca caggcctgcc ccgaggcccc 540
tgncaacaaa tgtcacttcc ccacaccaac ctgcttcctc caggattggg attttctgac 600
ttctatgttt ttcatggctt ctttgatgcc accgtcctg tttctctttc tcctctgtga 660
ccagttctta caagcctctt acacagctgc ctctcctct 700
```

<210> 1202

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1202

```
ttccatttcc ctatcctcca caggcctgcc ccgaggcccc tgncaacaaa tgtcacttcc 60
ccacaccaac ctgcttcctc caggattggg attttctgac ttctatgttt ttcatggctt 120
ctttgatgcc accgtcctg tttctctttc tcctctgtga ccagttctta caagcctctt 180
acacagctgc ctctcctctt gccatcttcc taggtttcca agttccttgg ggcttggtag 240
ttctctcttt ggctacccta caggctctca acttgcggtc taaaggccaa atcaagggtct 300
gcaccctcca acaagggtcc ctaccttttc ttaacctgcc accctacaaa caacacttca 360
gactagtggg gttcccagac atgtttctgc atgcccctct ttggggagaa actccacgat 420
tatggagcca tcctaaatgc gagctactag gtccagattt ctttgatcta gcttcagcct 480
atccccacca cacctcttac cagatcacct ggcctgggtg aagggttttc tttaaggcat 540
cccatcacia gcatgttttt ctctgcccct ttgccacctg gcaaacgact cctcctcttt 600
tcatagactg accaagaaac tatagccgcc ccaaccaga tgatactgat tctgctcact 660
actgctaggg acaaaagctg cctgacaggt gtctctgata 700
```

<210> 1203

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1203

```
cagatcacct ggctggttg aagggttttc tttaaggcat cccatcacia gcatgttttt 60
ctctgcccc ttgccacct gcaaacgact cctcctcttt tcatagactg accaagaaac 120
tatagccgcc ccaaccaga tgatactgat tctgctcact actgctaggg acaaaagctg 180
cctgacagg gtctctgata cctgggtggc gagatacagt gagtactcaa tattagatgg 240
ggagagggg cctgtagcca tttctctga ggagttgagt acctgagaat ggcagagtga 300
ggctcttccc tgggcttatg tgtcacaata ggaagcaac agaattcccag ttgccagggt 360
tgtgggggga agcgtggtt gtaagcatca ggctctgacc catctgcccc gggacaagat 420
ttgtacaggc tttttaagg ggtcttggtg atgctgtgat acacagctca gacccccctg 480
ccccatcccc tttatgaatg aaagatttat ttcaccagct ggtgggagag ctgccagaag 540
acagccccag ctgtcagccc tattttggac tactgctaaa aaataattgc cttgtgtaag 600
gtcacaccta ctctgtagg gagccacgt ctaccaactg ataaatatga aggtataaag 660
gcttggctcc ctctcctct tgggaaaact ctgaaggatc 700
```

<210> 1204  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1204  
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 tattttggac tactgctaaa aaataattgc cttgtgtaag gtcacaccta cttctgtagg 120  
 gagcccacgt ctaccaactg ataaatatga aggtataaag gcttggctcc ctctccttct 180  
 tgggaaaact ctgaaggatc atcacagatg agcactcctg gtctcagctg gaacctcggc 240  
 tgggaattga tagtagctcc acttctcctt ttgcctagtc ctggttcagt cctcatttcc 300  
 actgatgttg accccaagat cttttcctaa taaaggctct acatgctcat atcctactca 360  
 gtctgtttcc tatagaacct aatctatggc atctggcttt aggagtgaca gaaaaaaaaat 420  
 gagatgctaa gatatgattt tggagctgga tcatccactg ttggctgcca atgaggactc 480  
 ccatcacagg tggcagggtga agcagacagc ttttgcccca tggtaataat tgttaaaaact 540  
 ttacctatg ttggaagaga atgcattaga tgggtgcagt cctcagggtg ttgagaaata 600  
 tgggggaatt agccactgca aggacaatgg aattgctaag cttgactaac tttcagtaaa 660  
 agaaaatgga gagcttagag tgattaattg gcaatgaaaa 700

<210> 1205  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1205  
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 atgcattaga tgggtgcagt cctcagggtg ttgagaaata tgggggaatt agccactgca 120  
 aggacaatgg aattgctaag cttgactaac tttcagtaaa agaaaatgga gagcttagag 180  
 tgattaattg gcaatgaaaa cataagcatg aaagccgtag gcctctttgg tgcattctata 240  
 gaaaagaaga aaaagcagag aatcagaccc agacttctgt caaagtagtt aagcttcaaa 300  
 gaaggttata ttcccaacca aggcaggctc tctatgccaa gggcagagcc ctggttgggg 360  
 aagaatgaga ccctgacacg tgggatgagg acctctgttg cacctgaata tcttgaatcc 420  
 tcagatttca ctaaacactc tggacctgca gaagtgcct actcatctct gttaaaagct 480  
 agaacttgct tcttacttta aaaagaaaat gcggaggctt ctgtcctgca agacatgctc 540  
 tcattccatg ttacctcttt gtgctaggcc aataactagg gttaagtcaa aacctaacct 600  
 ggccagacat gctgaacttg ctagtgtaga aaaggactat acctcaaagg aaattctggt 660  
 catatccaga gagtactagc aggagcttgg agagtatgca 700

<210> 1206  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1206  
 aaaagaaaaat gcggagggtt ctgtcctgca agacatgctc tcattccatg ttacctcttt 60  
 gtgctaggcc aataactagg gttaagtcaa aacctaacct ggccagacat gctgaacttg 120  
 ctagtgtaga aaaggactat acctcaaagg aaattctggt catatccaga gagtactagc 180  
 aggagcttgg agagtatgca caggactgga ttctggacca agggggtgga acagaaattt 240  
 gaacaaaaga gtttatggat atgggaacat tcttcagga taaagtattt aaaactgtgg 300  
 caaggcccca agagatggtg caaatacatc gtttggatgg ctctagaag catggaaaga 360  
 ggatggccca tattaagtga gggtagccag aatggctatg gcagactatg aaggacgtgg 420  
 gtgtgcagga ataaatatac taagcaaatt cagaatactc gcctgagggc caagaagata 480  
 ccaaaacaag aaatgtattg gaaagaaggg caccagatc accaagaact aaaatggtgg 540  
 ctaaaatagg ccagcattga taggaaatgt cacagaactg ggctcactga tagcagtagg 600  
 ggtgatagga ctctgagata atagaggcca agtcatagca cttggcccag ttgtctgggt 660  
 ggcaagattg gaatggctgt taagagggcc tggctcccgg 700

<210> 1207  
 <211> 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1207

```

gaaagaaggg caccagtatc accaagaact aaaatggtgg ctaaaatagg ccagcattga 60
taggaaatgt cacagaactg ggctcactga tagcagtagg ggtgatagga ctctgagata 120
atagaggcca agtcatagca cttggcccag ttgtctgggt ggcaagattg gaatggctgt 180
taagagggcc tggctcccgg ggagttatgg acatgggttaa taaaacatag catctggagg 240
gtcacaatag atggccagcc aacagtgtct cgggttattc tgtgcaagaa aaagaaatca 300
atcatggata atgagtccag tcaccccaat aaaaagtaac ctgccgagtt tccagatctg 360
aaccagtttt cagacttaga acctactgat tgaagaagat gccagatctc ccagaaggaa 420
gagtcccaca ccaccacagc aagtgtgcat gataatgatt tccccagccc tttcccaggg 480
ggacctgtgg gcacttaacc tggatagcta catactagga aagagaatat cctaacatgt 540
gaaagactat tgaacccggg attagaattg acattgttac ctaggtagct gaagtggcac 600
caaaatcctc tcattagaat gaggggtata tgtgggccag gtgatagatt cctggcctga 660
gttctgctaa tagcagggtcc tctgggtcca cagaccaca

```

700

&lt;210&gt; 1208

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1208

```

tggatagcta catactagga aagagaatat cctaacatgt gaaagactat tgaacccggg 60
attagaattg acattgttac ctaggtagct gaagtggcac caaaatcctc tcattagaat 120
gaggggtata tgtgggccag gtgatagatt cctggcctga gttctgctaa tagcagggtcc 180
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ccctacattg ggtccttggc ctgcatgggt agagtgatca tagtgaagaa agccaagtgg 300
aagccttcaa aaccttcca ttccaggcaa aatagtaaat caagaacaat atcacattcc 360
agggttaatg gcagaaatta ttgccaccat tatagaccta aaaggagtc cgtcataatc 420
tcatttaatt taccagcaaa acccagttaa atcctgaaag atgacagcag gctactacca 480
attcaacagt agccccattt gcagccactg tgcttgccaa atgtgtcttc actacaacag 540
attaacatgg gctcaggcat acagtgtgta gctgctgatt tggatgaatcc attcttttcc 600
acccctgtta gaaattgttt gcattcactt gggacaaaaca acagttcaaa tttccaaggc 660
aaagttaact ctctgcctt ctgtcataac atagttccaa

```

700

&lt;210&gt; 1209

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1209

```

gcagccactg tgcttgccaa atgtgtcttc actacaacag attaacatgg gctcaggcat 60
acagtgtgta gctgctgatt tggatgaatc attcttttcc acccctgtta gaaattgttt 120
gcattcactt gggacaaaaca acagttcaaa tttccaaggc aaagttaact ctctgcctt 180
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atgcactcca gaagataaac cctatgaata ttcacagcct gccacatcag tgaagttttt 360
aggaatccag tagtctggag cgtgcagaaa attcccacca aagtatagga caaatcacta 420
tgtcttgtag tttccaccat gaagaaggaa gcggaatgtt tggcaggcct cttagggtta 480
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tacctggcag tgacacaaaa gcctgccatc tttgagtggg gccccaggca ggaaagggct 600
ctttggctgt agtacatgta gccctgcat gtgggccata tgagtcacat gatactgtgg 660
ttttaaagggt atctgtactg ggaaaataca ctgtccctag

```

700

&lt;210&gt; 1210

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1210

```

gaaacctatt acacacttgg gaatattatt ctgaaccata tacctggcag tgacacaaaa 60
gcctgccatc tttgagtggg gccccaggca ggaaagggct ctttggctgt agtacatgta 120
gccctgccat gtgggccata tgagtcacat gatactgtgg ttttaaaggt atctgtactg 180
ggaaaataca ctgtccctag ggttctggaa caaggccata ccatctgcac tggagaatta 240
catacctttt gaaaaacagc tgtgccatgc ttctgagcct tggtaggcct ggagggcctg 300
actcagtgcac catgcagcaa gaaccacat gatgaattgg tttttgtgag acctactaa 360
ccataaggctc aggtgggctc aacagcaatc catcataaga tggagtggtt acaactctaa 420
ccaatgagca ggattggaag acacaaataa gctgcagggt caagtgacc agaaccctgt 480
accatccaac tccaggacac caaaaccttc cccagctca catctatggc tgcattgggtg 540
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agatacaata ctggccctca gggagatcaa gagaccacc cactgctagg tgactacatt 660
agccctctta tacccttgaa gggccagtga ttcatTTTTga 700

```

&lt;210&gt; 1211

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1211

```

caaaaccttc cccagctca catctatggc tgcattgggtg atcccttgtg tccagctgat 60
ggaggatgta aaagctcaaa cttgattccc aaataagttc agatacaata ctggccctca 120
gggagatcaa gagaccacc cactgctagg tgactacatt agccctctta taccctgaa 180
gggccagtga ttcatTTTTga caagaataaa gacacaattt aagcatgagg ttgcctttcc 240
tggctgcagg gccacagcca acatcactat ccaagggcct tcagagtttt tattccctg 300
gtatgggatc tcacatagca tatcagactg agggatctac tttatatcaa agaaagtgg 360
agcacaggctc catgaccata ggatgtgcta gtcatatcac atattgcacc actcagggtg 420
tgtcagtttg gtagagtgtt gggcaacagc ctgttgatgg catagttgaa gcaccggctt 480
ggggtgctac tttacaggat aatgaactat tcttcaggat gcagttctca ctataaatca 540
aagaccttat atggagctct gttccaatag gtataatata agagtttcag aaccaagaga 600
taaaaacagg agtggccccc ttactatca ttcccagtgg ccacttgga aaatatatgc 660
ctcccatccc tgcaaatctg ggctctgtgg gtttgagat 700

```

&lt;210&gt; 1212

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1212

```

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&lt;210&gt; 1213

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1213

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tcttagagat gaaggattgg gtcattgctac caggtagagc agcaggatga gcaaagggtc 60

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<210> 1214

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1214

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<210> 1215

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1215

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<210> 1216

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1216

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&lt;210&gt; 1217

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1217

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&lt;210&gt; 1218

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1218

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&lt;210&gt; 1219

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1219

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<210> 1220

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1220

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<210> 1221

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1221

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<210> 1222

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1222

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&lt;210&gt; 1223

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1223

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&lt;210&gt; 1224

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1224

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&lt;210&gt; 1225

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1225

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<400> 1226						
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<400> 1227						
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<400> 1228						
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700

<210> 1229

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<210> 1230

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1230

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catggagaca	caggagagtg	ttggccacgg	ttttgcaggc	caagaaagag	attttacttt	480
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<210> 1231

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1231

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catccccacg	aggctggact	ccatcatgac	tctcactcac	cagcatttcc	acatgctggg	600
ccttattgaa	gcagcaggtg	tcagttacag	aaatgtgtcc	ccaggcacca	ccacccccaa	660
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 <212> DNA  
 <213> Homo sapiens

<400> 1232  
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 ggagggcaca ggggctgtgt ggtgatggaa gggccagag tctgaggact atccatagtg 600  
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<210> 1233  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1233  
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<210> 1234  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1234  
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<210> 1235  
 <211> 700

<212> DNA  
 <213> Homo sapiens

<400> 1235  
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 tgtgtgttat tgtcagccga gagttctttc tgaatgtcag cacagattgc tgtgtacttt 420  
 tcgtggggag atatcgtggc tactttcatt gggaagaatg gctttctgac cccagagca 480  
 catgagccag gagcacgtac aggtgcatgg tattacttga aggtgactcc aagctggtcc 540  
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<210> 1236  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1236  
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<210> 1237  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1237  
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<210> 1238  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1238  
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 nnntagaagc ntatttttaa taataattat tacggtaaaa catcttgaat aaatatggaa 360  
 tatgaactta aataaataaa taaataaata ttttaaaaa ataaatatat aaatattact 420  
 gattttctgtc agtataaaat attcccattc ttctgccatg cctgtatcag ggtcagtgtg 480  
 gcccagggca ggtccaggcc actcccacca tggctgtggc ccaccccttg gtccctccaa 540  
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<210> 1239  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

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 aataaaaaac acttgagtcc aggcaagtgg gtaacgtggg ggaagggaagc accagcatgt 300  
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<210> 1240  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1240  
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 aaagtcctgc cagaagggtg cacttgggcc tgggcaactc ctctgggctt tgggcaggcc 240  
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<210> 1241

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

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<223> n = A,T,C or G

<400> 1241

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tgcttgtaga gctccaggcg ggtctgtagg caggtcggct cctgtggaaa atgtcgttcg 180
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<210> 1242

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

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<223> n = A,T,C or G

<400> 1242

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cccagggcag gggcttcttg aaagctatgt cagagagaag catcttacct ggaggtcaaa 360
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atgctgcagg ccacagtgcc caagagcagc aggtcttgca gccacatcct ccagngaact 660
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<210> 1243

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

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<223> n = A,T,C or G

<400> 1243

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<210> 1244

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1244

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<210> 1245

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1245

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&lt;210&gt; 1246

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1246

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&lt;210&gt; 1247

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1247

```

atagctcaga cagtcagtca acaagtcttt ccaatccaca ccaggacctg ttctggggag 60
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ctaaggtagg gaccagggg acaaaggagc agatcttcag 700

```

&lt;210&gt; 1248

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1248

```

aaaagggaca taaggatgac aaaatcggtc agggtcctgc ctccaaggac tttttaaccc 60
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&lt;210&gt; 1249

&lt;211&gt; 700

<212> DNA  
 <213> Homo sapiens

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<400> 1249  
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 atagccagcc atgctgactc aggggctccg atggggctgt ggcagggcag aggcggggac 180  
 cacgatgggt ggtatgaccc ctctggggcc ccccttccta cagagacagg ngaaaaccct 240  
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<210> 1250  
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 <212> DNA  
 <213> Homo sapiens

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 tggaccagc gtgcttgctc cctcaaggca gctgtaaaga gagatgcctg ccaggtgttc 180  
 gcaggtaggc tggagtggcc tgtgactgtc ccagggaagt ctgggctgaa ggcagagttt 240  
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<210> 1251  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1251  
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 acctgagtca gggctcctgg gtccctgcac accgacagga gatcctggta ccgcatggca 180  
 ccatgagtgg tttgtccttc ccttgtcact ccaggccaca ccagacatat gaagcaacat 240  
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 cccatggggg gggggacagg gagcacaagg cccacactca taggcagaga catggagacc 600  
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<210> 1252  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1252  
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 gagggccaggg gacctccagg aagactcagt cagttgtggc catgtgggtc cggaagtcag 240  
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 agccaggcag aaagtagtgg cgggggtgtca acttttgagg atggccaagg acaatgagac 360  
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<210> 1253  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1253  
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 cagagggggcc acagcctatg tgtgccctct tgggaagagc catcgggagg tgcattaaaa 180  
 atcaaaagca ggagaaatca tgagaccaga agcctgtata atttctgaag tcctgcaggc 240  
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 ccaggccctt gcccggtcgc cgcacctgca tccccctgga actgatgggt cagaattgag 360  
 gtggcagatg tgggctttct gctctcagca ggacgagtgg ttctggaatg agcctcctcc 420  
 aagactcttc tggatccctc acgggtccct cagactttcc ctgaggccct gtttgggcag 480  
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 cccacagggt catgcagcac tacttttgca ggctgttggg agatgcactg gatattctgca 600  
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<210> 1254  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1254  
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 ggtttttctgt tttggcttgc taggtgcctc catctagcct cagtctcgct gtccatcaaa 180  
 gagaggggaat ggttaccagg gtccggacca gcctcccagc cttctcattc cctggagggtg 240  
 agtgtaaatt taggtttccc tcatgggaag tgggcctgtg tagaccctc cccagggccc 300  
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<210> 1255  
 <211> 700

<212> DNA  
 <213> Homo sapiens

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 tgacttggcc cctcagggca cacacatcat ccacacagcc tgctgtcctt gctgcccgt 360  
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<210> 1256  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1256  
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 gagtgggagc tggaggaggc cttgacaacc agccatggca ggggacagct gggagccagg 180  
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<210> 1257  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<400> 1257  
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<210> 1258  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

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<400> 1258
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<210> 1259
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1259
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```

```

<210> 1260
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1260
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<210> 1261
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1261
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<210> 1262
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1262
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<210> 1263
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1263
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gctgggccac tatcagctta ggcagttgct caaccaggcc gaacttcagt ttcccatgaa 480
acggagaaaa catactcttg gttgggggtg ggaataagtt agatagcata ggtaaaatgc 540
tcagaacggc tcctggtacc tggtagcagt tctgtggatt ttcaagattg ctagggttat 600
catcaccttt ctggaaatgg ggggtggcagg agggcagtgt gagaacaagc tcaccagac 660
agcatccacg tggcaggatc aagccacca ggatttgtgg 700

```

```

<210> 1264
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

&lt;400&gt; 1264

```

gttgggggtga ggaataagtt agatagcata ggtaaaatgc tcagaacggc tcttggtacc 60
tggttagcagt tctgtggatt ttcaagattg ctagggttat catcaccttt ctggaaatgg 120
gggtggcagg agggcagtggt gagaacaagc tcaccagac agcatccacg tggcaggatc 180
aagccaccca ggatttgtgg cacaccagtc tcccttaaaa tggtcactaa gtcccaagtc 240
aaattgagac actggttaaca aagcagttgt tcagagtcta gtttattctc acacatccct 300
aggaaccagt ttaaaactcg aggtacaaat gaacatgctc cccacccac tctgagtttt 360
ttgcagaagc agcaggacat ggctcctctg ctaaaataaa tacagttcac actccaggca 420
ataaataaat aaatacatac atacataaat aaatagtctc aatgggataa aaatgagaac 480
acaaccgcac aaggccaaat gggagctgca catttcagaa attagataat taacaattca 540
tctgatgccg caggaaaagg tgaaatgctt ctggctcctgg aatgtgtgag agatgacca 600
gaggtttcag aagttctgct gtttttgatg tcccgaggcn ctgtggtgag aaggccaga 660
gaacgagctg gacgttggac tnaaaagatc gcgaggctca 700

```

&lt;210&gt; 1265

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1265

```

gggagctgca catttcagaa attagataat taacaattca tctgatgccg caggaaaagg 60
tgaaatgctt ctggctcctgg aatgtgtgag agatgacca gaggtttcag aagttctgct 120
gtttttgatg tcccgaggcn ctgtggtgag aaggccaga gaacgagctg gacgttggac 180
tnaaaagatc gcgaggctca aagtcgtctg ttgagcctgc gcattctcaa gggttttcag 240
atagaacgtc agtttctctc ggaattcatt ccagtcaccg tccttgatat ggattggatg 300
tcgctataaa gaaaccaaga aggtggcatt aggtgagtc aggtgtaat ggtgatgacc 360
agctgaggag caagccatga cgggcatctt gggggacagc ttaccgtggg tgcggccgtg 420
gccaggggca gacatggcag gagattctgt ggaaagagac caaagcagat ggtcagagat 480
tcccttggaag agggagtggt cctgctctc ctccccagag gcagggcagg gccaacacag 540
ggatcccaaa ccctcaacag cttcacatac tttaagaatg ctctcaattg ctgatgcgtt 600
ctgtaaactc ttgacagccc tgttgaatgc ctccaggttt ggccttcgaa ggttattttc 660
ctaacggggc agagaatata cttaaggggg aaaggttaca 700

```

&lt;210&gt; 1266

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1266

```

ccctgctctc ctccccagag gcagggcagg gccaacacag ggatcccaaa ccctcaacag 60
cttcacatac tttaagaatg ctctcaattg ctgatgcgtt ctgtaaactc ttgacagccc 120
tgttgaatgc ctccagggttt ggccttcgaa ggttattttc ctaacggggc agagaatata 180
cttaaggggg aaagggttaca gagtatccct ccacaagca ggtggaagtc acccccacag 240
tttcccaagc cactgtttgg ggacatcctc gggttccctc ctagtcccgt tcttgccctca 300
ggtgggtccc tgcccaaggg cacaggccta gaagtgagt gcaggcagga cctgggtttcc 360
tcaagccccc agtctctggc tccatttgag ctacataaag ggcctagggt ggctgggccc 420
agtggctcaa gcctgtaate ccagcacttt gggaggccga ggcaggcaga taacctgagg 480
tcgagttcaa gaccagcctg accaatatgg tgaaaccccg tctctactaa aaatacaaaa 540
atgggagtggt tgggtgcatgc ctgtaatcct agctacttgg gaggctgaga caggagaatt 600
gcttgaactc aggaggcaga ggtagcagtg agctgagatc gtgccactgc actccagcct 660
gggcaacaga gtgagactct tgtctcaaaa aaaaaaaaaa 700

```

&lt;210&gt; 1267

&lt;211&gt; 700

<212> DNA  
 <213> Homo sapiens

<400> 1267  
 accaatatgg tgaacccccg tctctactaa aaatacaaaa atgggagtgg tggatgcacgc 60  
 ctgtaatcct agctacttgg gaggctgaga caggagaatt gcttgaactc aggaggcaga 120  
 ggtagcagtg agctgagatc gtgccactgc actccagcct gggcaacaga gtgagactct 180  
 tgtctcaaaa aaaaaaaaaa aatgggtggg gaggggggtac ctagggtggat ctttctgcac 240  
 ttgggggaaa aaatatctcc aaaaagaagc tctacaaaag acaggggggt ttccaaggga 300  
 agtatttcta gctcagaggc tgataacagt gttcatgccc tgactgaatt aaagtctcct 360  
 agaaatcaag aagaaaatca cagagacccc agcatggaaa tgggtgcagc atgtgagctg 420  
 tgagtgtccc aaacacagat ggcccaggaa ctcagcaaag gtttccactt cttgtttgac 480  
 ccaagaaatg tcatgcaaag gtgagacaga acaactgcaa ccaactggaa ccatgaaaaa 540  
 taactgtaaa tgataatgcc acagccaatg aggggtggaaa acacaaactc aattttttta 600  
 gggaaaaaga agctggcaca tctgaggggg aaatttctgt ctgtcagtcc agagtctgcc 660  
 ctaccaaaca ctgaccttaa ggcccttggg attcctcacc 700

<210> 1268  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1268  
 gtgagacaga acaactgcaa ccaactggaa ccatgaaaaa taactgtaaa tgataatgcc 60  
 acagccaatg aggggtggaaa acacaaactc aattttttta gggaaaaaga agctggcaca 120  
 tctgaggggg aaatttctgt ctgtcagtcc agagtctgcc ctaccaaaca ctgaccttaa 180  
 ggcccttggg attcctcacc tagaactgcc ttttcatttt ctaatttaaa agtcattttc 240  
 attattatag ccatggctgt ggccatgtat tgaactctta agtgccagat gctgggcccag 300  
 aacatgcaca ttgtgccatt tgattgtcat aacaatccca ctgagatagg tgctattaac 360  
 cctatttttac agatgaagaa agcaaggcta ggtaagatgg aatgacatgg ctgaagtcac 420  
 ccaggcagga agtggatcgg gatccacggg ctgagctctt accatcagaa tgtcttggtc 480  
 ttccccattg aggttgttga agtcctgtgg ggtgaaagg agagaaaggc ccatgaggcc 540  
 ttttggcctt aggcagccac caccctcac tgctgcaggc cagtcttata caagctactc 600  
 accagcaaag gcaaagggtg ctgctttaag tgtgttataa tttcatcgat catgttagag 660  
 cagttaaccc agcttgtctt caaggncgtt gtctgggtca 700

<210> 1269  
 <211> 700  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(700)  
 <223> n = A,T,C or G

<400> 1269  
 agtcctgtgg ggggtgaagg agagaaaggc ccatgaggcc ttttggcctt aggcagccac 60  
 caccctcac tgctgcaggc cagtcttata caagctactc accagcaaag gcaaagggtg 120  
 ctgctttaag tgtgttataa tttcatcgat catgttagag cagttaaccc agcttgtctt 180  
 caaggncgtt gtctgggtca tgggagcttg gaggccggg cggaccagga gttggagcag 240  
 gagcaggacg ggcaggcggc tcatgtttgg atcggcagga ggcactctgt cttgttcttg 300  
 tccttcgtgg ggctctgaag agttggcaac aacctcccgc cttatatgtg cagcagcaag 360  
 gtgcccacaa ccccgggcaa ggcgggggga ggtgggtgtg tggggcaggc gtcggaagg 420

```

tctttatctg acatggaacc tccatagaaa accacagacg taattattca tccatgactt 480
tctagtactc aagatcagtg aaacaagaaa aaagattact taaacgttat cacttcatct 540
tgtcaaggag gatgagagat ggggaagcatg gcagcagggtg agaggacccc tgtggcagga 600
aggggaagcc tgactcagct cactgaggcc tccctgcccag tgggatctca tctgccatca 660
cctggactac cctggccctc tgctgcccgc cctgcttggt 700

```

<210> 1270

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1270

```

aaacaagaaa aaagattact taaacgttat cacttcatct tgtcaaggag gatgagagat 60
gggaagcatg gcagcagggtg agaggacccc tgtggcagga aggggaagcc tgactcagct 120
cactgaggcc tccctgcccag tgggatctca tctgccatca cctggactac cctggccctc 180
tgctgcccgc cctgcttggt cctgggtgggt ggccaggagg ccactggaac agatgagagt 240
ttgtctggta gccggtcacg ctgctaaaca tccacgttca gcctcaggct ctgagaagca 300
catctcttgg tgccgcttcc caatacagaa ttactggtgt tccagtcccc agtggtttgt 360
ccatgggctc tcgggcagct tctccttgac actttgtttc tgggtggatgg ccgagggcgc 420
tcaggcccca ggtggccatt ctcttactgg tctgctagca gtggcatggc tgttccctgc 480
gtgtgggact cagcctctgc aggaggcccc gctgcagccc ctggcagtcc ctctggtagc 540
accgagagct gagctcaggt acctgaggac actgtcactg ggagctgggg gaggggctgg 600
cctgggaggt ttaggaggca gaattggcat ggtctgaggg gtgaggtcaa gggaggagaa 660
aggagagcaa ctccctgggt tcagactggg cctcaggctg 700

```

<210> 1271

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1271

```

aggaggcccc gctgcagccc ctggcagtcc ctctggtagc accgagagct gagctcaggt 60
acctgaggac actgtcactg ggagctgggg gaggggctgg cctgggaggt ttaggaggca 120
gaattggcat ggtctgaggg gtgaggtcaa gggaggagaa aggagagcaa ctccctgggt 180
tcagactggg cctcaggctg ctggggcagg gattggcagg agacagttgt attgagaggt 240
cttgatcccc gtctgtgctg agcatggatt tgccaggtgc aggccagta ggcaaggttt 300
gcagagaggg gatgtgagtg gggacagacc atggggaaat ccacaaggga cctgagaaac 360
tgcagccaga taggaagcag gaaaccaga agggcggggg tggttatccc agagggcagc 420
ccctgagaga agaggggtcc tcctgatacg ggcctgtctt ggggcctgcc tgaccacccc 480
catggggtag gggcttttgg taaagggatg agtgtgacag gggcatgtgg aagacttctt 540
caagatgatt ggccccgggt gggagggaga ggagagcagt aaggaaaggc caggggtctgg 600
gtcatggtgc ggtgtgttgt gatcagtgtg ggggatgcgg gataggaggt tatgctgagg 660
cagcgggaatt tgggtgcttt gggcttctga gcataagcag 700

```

<210> 1272

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1272

```

taaagggatg agtgtgacag gggcatgtgg aagacttctt caagatgatt ggccccgggt 60
gggagggaga ggagagcagt aaggaaaggc caggggtctgg gtcatgggtgc ggtgtgttgt 120
gatcagtgtg ggggatgcgg gataggaggt tatgctgagg cagcgggaatt tgggtgcttt 180
gggcttctga gcataagcag atcagggtgaa gacaaggacc aggatgtggc tgtggggagg 240
caggtgaaga ggctgtgact caaggccatg ctgtgaggat gatttctgta gctgatatgc 300
cctcctggct cagccccagg ctgggcccctg gaccaggaag agccctaggt tctggacccc 360
gagtggagtc tgacaggcac aactcaacac acagagggga gccttagcac cagcttgctg 420
actccgtagg cacaattcat tcaacagacg tctacaaagc acttgctgtg aataaaacag 480
acatggtaac ctccactagc agctcagtct tgtgaggaga cagatttcca gtcttgctac 540

```

```

ccttcctgtg gtcccagacc tgcaggtcag ccctgcccgg gagcttggtta gcggtgtcaa 600
ccctcaggcc ccagcccaga ctttctgaat caaaaatcgc attttgataa gatcctcagt 660
gattcagtgc atttgagggg ctctgatcta actacctcag 700

```

<210> 1273

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1273

```

agctcagtct tgtgaggaga cagatttcca gtcttgctac ccttcctgtg gtcccagacc 60
tgcaggtcag ccctgcccgg gagcttggtta gcggtgtcaa ccctcaggcc ccagcccaga 120
ctttctgaat caaaaatcgc attttgataa gatcctcagt gattcagtgc atttgagggg 180
ctctgatcta actacctcag caatcttagc tccggtaggg tccctattg cccacggac 240
ccagagtttg ttccttgcat actcaactgt accttggtgt tactgtctat gtaaacgttt 300
tggggacttg tgcacaaata atgtgattcc ttacagagaa aagctgtatt ttttttagtg 360
taagtgggct tttctagggg attttaaagt tcaatgaatt taaagctgtg gagacaaaac 420
attcctgtat ttttttttgt ttcttttaaaa gtcaagactt tgtgttgtaa ccacacatgc 480
acacaaaatc ctgaatagta gtattgtaaa tcttgacatt tgtagtgttt ttctcatttt 540
aaaaatgaat atataccagc ctgagcaatt tggcgaaacc tcctctctac aaaaaatata 600
aaaaattagc caggcgtggg ggtgcacacc tgtggtccca gctacttagg aggctgatgt 660
gggaggacca cctgagcctg ggaggtcgag gctgcagtga 700

```

<210> 1274

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1274

```

gtattgtaaa tcttgacatt tgtagtgttt ttctcatttt aaaaatgaat atataccagc 60
ctgagcaatt tggcgaaacc tcctctctac aaaaaatata aaaaattagc caggcgtggg 120
ggtgcacacc tgtggtccca gctacttagg aggctgatgt gggaggacca cctgagcctg 180
ggaggtcgag gctgcagtga gttgtgattg tgccactgca ctccagcctg ggcgttgagg 240
tgagaccatc tctccaaaaa aattatatat atacacatag tttattaaag gcaaaagagg 300
ttgaggcttc atgctaggag cattggagga cttgcggggg tttcaaccag gggaggcgag 360
gtgaagctca ggtgcacctg ctgtggggga aagatgaga aagttcaagg cagcagggtg 420
gccagtgagg agatattggg agtcctctgg aagacagggt gtgggaagct ggactaggta 480
ggttcttacg ggggtggagag gactgggtga agggaagcgc tctcacagct gacttctatt 540
gagtggcact tgtgaagtgt ggagaactaa gttcttttca tggctgaact tgttaatcct 600
catgatgaac tgtgaggcag gtgctgttat tagccccatt ttccagatga agaaactgag 660
tctcagagaa gctgagctga tgtagctagg aagtgcacatc 700

```

<210> 1275

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1275

```

gactgggtga agggaagcgc tctcacagct gacttctatt gagtggcact tgtgaagtgt 60
ggagaactaa gttcttttca tggctgaact tgttaatcct catgatgaac tgtgaggcag 120
gtgctgttat tagccccat ttccagatga agaaactgag tctcagagaa gctgagctga 180
tgtagctagg aagtgcacatc actgggactg agataagcag aacagtccaa cccagaggct 240
gagcaccccc tgggcagcat cggacaatga cggccttaaa ggatgatgcc atgtggcagg 300
aggggacagc aggggtgagga tgagatgtaa ccactctgat tactgacggg gagatccctg 360
aggcctctgg cggagttagt tcagtgtatg gtggggcaaa gcctctggca gtgggctgag 420
aagcgagtga cggtgagacg gagggtagaa gattctttga agttttatct tgaaggaaag 480
agggggatgg ggcagccaga ggagtcacag ggtcagagac gcaccttcca cacagaagtt 540
tgagctcctt cctctcttaa ggaggtgagc cgggaatggg tgagatggct ggccggccag 600
cacaggcaga gccccacatc cagctgtcac gggctcctcg cagagagctc aggggaagggc 660

```

tgccctgggtg gccaggtcca tctgggtggg gtaggtgcag

700

<210> 1276

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1276

```

ggagtcacag ggtcagagac gcaccttcca cacagaagtt tgagctcctt cctctcttaa 60
ggaggtgagc cgggaatggg tgagatggct ggccggccag cacaggcaga gccccacat 120
cagctgtcac gggctcctcg cagagagctc aggggaagggc tgcctgggtg gccaggtcca 180
tctgggtggg gtaggtgcag tgggggtggc ctggttggtc cacagggttg tgggtgggagg 240
ggacaatggc ttctgtgttc tctgtgaaat agaggtcaag tcagcccctg aggtggggct 300
agaagcaata aggggtggtga gggttggtgg cttgagctgt gactacctgg aggtgacctt 360
gaggggctgg cagcctgggg tcagagggcg aggaggttgg gaggaccag ggcttgga 420
ggcaagaata tggaatggaa ggcccagag gcaggagtg gggccatggg aggaggtgg 480
gatgggcagg gaggccagct gggcagagca aaggaggcag gagggtgtgc agccccggac 540
cccgagagg cccagtgact gcagcccaat acctgctgcc gttcgatgaa ccaggaggga 600
atggagggac atgttcctaa aagcaaacct cattccaaag gggctgcca ggatatctgg 660
gtagttggcc accacagcgc ttcngtgagc ccttgaccg 700

```

<210> 1277

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1277

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gggcagagca aaggaggcag gagggtgtgc agccccggac ccggagagg cccagtgact 60
gcagcccaat acctgctgcc gttcgatgaa ccaggaggga atggagggac atgttcctaa 120
aagcaaacct cattccaaag gggctgcca ggatatctgg gtagttggcc accacagcgc 180
ttcngtgagc ccttgaccg aggcatagcc tgggtcatcc tgggggtctc cttcaagggt 240
tgccttgact ctataggagc ttcattgcaa atcatgggca ccacttccct cctccaggag 300
cgacagtctt gccagccctt gaggagagac ctggtcccct gtaagatggt gattccaccc 360
caggcctttg tgtcaacca gcccggtta ggggaaacct cctttgtggg ctgggctgat 420
tgctatcaag aagggaatg agcacacgtg cccacccctg gggcaggcat gaggagggt 480
gtgccagggc ccggacagga gagccagccc aagactgcag ccagggtct gccaaagccc 540
tgagggtttc aggaggggtc tctggacccc tgtctaagg atccctgtgg gcctgaccn 600
nccctnnnng nnnngncacn ttgttggaag tcctggccct canggtccag tccaactaga 660
ggtacatgcc tccttcttcc catcactcac cccacaggc 700

```

<210> 1278

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

&lt;400&gt; 1278

```

gagccagccc aagactgcag cccaggggtct gccaaagccc tggaggtttc aggaggggtc 60
tctggacccc tgtctaattg atccctgtgg gcctgaccn nccctnnngn nnnngncacn 120
ttgttgaag tccctggccct canggtccag tccaactaga ggtacatgcc tccttcttcc 180
catcactcac cccacagggc ctagtggaat tttctggggg acccgccaca ggcaagaacc 240
tgggcctcag tcaactgtgac aagctcctcc gccacccttt ccatggcatc acaagtgtca 300
gatttaatct gcccatgacc tcggttgat ttcgctggg ggccctgatg acatcgcttg 360
gttttgtcac cacaaangca gctcaggggt cttggccagc caagcagtgc aaccagatgt 420
ccctgctca cctgagcaga gagctcagga aaaagccacc gagcgggccc agctggagag 480
ccctggcctc ctgtcccaan cnngntctgc actccatccc caagacctac acagcctcca 540
cctgtgcacc ctgccttttc tattccctgc tgcaggggtc tggcttcctt ggggcccagt 600
cggngcagag cagaccctcc atcccagcc cagtctaata gagaagacag ttggagaatc 660
cccatttaga atgatatgcc tgtgggagac agaagcccag 700

```

&lt;210&gt; 1279

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1279

```

cnngntctgc actccatccc caagacctac acagcctcca cctgtgcacc ctgccttttc 60
tattccctgc tgcaggggtc tggcttcctt ggggcccagt cggngcagag cagaccctcc 120
atcccaggcc cagtctaata gagaagacag ttggagaatc cccatttaga atgatatgcc 180
tgtgggagac agaagcccag aaatgaggca gcctcatcca gcctgcacca tcagagaaga 240
caggaggaaa ggacagctat gacctaaagg atgatctgga gccaggcaag ccacagaaga 300
agtgttcctt agggagtgtt ggggttgggg ctgcaggtgc tccatctgtt ggctcaatc 360
cagggctcca atatctggat acctgggggt gccatattgt tcctattgtt attaataagt 420
tatgggcttt cagtgtctgt cactctcttg ttaccacct gaaatacaaa gctttggaag 480
atgcattcct attgcattta tcatatctat cgcagacaaa accaagagct ccccggttctc 540
aaagaagctg ccccaaact gtgaggtgac aaggttgggg cataaatgct aagaacctgg 600
cagtcaggc cctcaggaaa tgctctctta agtgggggag acttcacatg gagcattagt 660
tgtgtagatg atgttgccat gcgaagtctt gtctgcctcc 700

```

&lt;210&gt; 1280

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1280

```

tcatatctat cgcagacaaa accaagagct ccccgcttct aaagaagctg cccccaaact 60
gtgaggtgac aaggttgggg cataaatgct aagaacctgg cagtcaggc cctcaggaaa 120
tgctctctta agtgggggag acttcacatg gagcattagt tgtgtagatg atgttgccat 180
gcgaagtctt gtctgcctcc caggagaga ggggaagggt cggcctgggt gggcagctgc 240
aggctcagagc tgtccaggga aggacaggac cagatgctag ctaggcagggt gcacagacag 300
acccagggtga gctcagagcc aggtgcctc tcagccgtgc ctgctctgtc ttatcttctc 360
tgggtgaggtg aggagaaacc tttacattg tttccagcct tactgatctt ttctttacag 420
aaaatgatga ataagttgat gtgtttgtcg tggaggttcc atatcagaaa agagtatcag 480
tccactgggg cttctcccca cacctcatca tccccccaa cccccacacc ccctgaatct 540
cctgcaccgc cctcaccctg gctgggcctt tacagaggat gtgggcccagg ccacttcaga 600
tccacacagg ttagggaaga ccacgtacc tccaagcagt acagatatgt ggagaccgtt 660
ttgcctcccc ctctctctca tccttcttcc tctcagcctc 700

```

&lt;210&gt; 1281

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1281

```

cacctcatca tcccccccaa cccccacacc ccctgaatct cctgcaccgc cctcacccgt 60
gctggggcctt tacagaggat gtggggccagg ccacttcaga tccacacagg ttaggggaaga 120
ccacggtacc tccaagcagt acagatatgt ggagaccggt ttgcctcccc ctctctctca 180
tccttcttcc tctcagcctc caaaagcccc taccacaaat ggccattaga atccagacta 240
aagacaactt cttgaacatc atccttgaaa tccagtggca actgagcacg ccctctatga 300
gtagctggtg ccagatgggc acagggtagg aacagctccg ctcgggccca ggccaggcac 360
tcatgggttc ttgctcttcc cctgcagaaa ggtgagatcc aggagcaatg gatcctgagg 420
tgggcacaca gccccgaagt cccactgccc tccctaccag tcgtcactgc cattgtattg 480
ctggtcactg ctctgggctt gggcacattt gggtagggcg cacctgcagg gtcacactgg 540
agtcagcctt tatctggcat cttcactgca gatgcatcca ccagcctatt ctttgcctca 600
tggaggatgt gcgtggtaga tgttctttgc caagtgtggg agttgtaata ttcacattgg 660
cacagctggc ttcttcttct ttgcatcctg gaagctgggt 700

```

&lt;210&gt; 1282

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1282

```

gggcacattt gggtagggcg cacctgcagg gtcacactgg agtcagcctt tatctggcat 60
cttcactgca gatgcatcca ccagcctatt ctttgcctca tggaggatgt gcgtggtaga 120
tgttctttgc caagtgtggg agttgtaata ttcacattgg cacagctggc ttcttcttct 180
ttgcatacctg gaagctgggt cagaaagtgc ccgtataccc caggcccttg cccagtgcac 240
ctggagccag gaggcatgat ggtccctgcc ctgcccgcct gtgtcagact gtgctgtgac 300
ccgcttggtt gctgtgtctc taaagcagct gggttcctcc tggggcctgg gcaggacaga 360
gctggggggag gtgatggggg aactagtga gggcacccca gaaaggaggc aggggaatgg 420
caaacaaggc cacaaggaca gcccttctct gccgtaccac acacacttgg cccctgtaga 480
acaccacctt tctgaagcct aacctggctg cttactgaa cacctcaaag ctctttaaac 540
ctcatcttct ttatccattt ggaacaatcc aaagatgatt gaggtgtgtg aggctgggga 600
gcgtccctct gtcactggag tctctgtgtt cccagaagag cccgttccgg gtcaaagtac 660
ctgccccttg cctgcccctt cccaaacagg aacagcattt 700

```

&lt;210&gt; 1283

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1283

```

aacctggctg cttactgaa cacctcaaag ctctttaaac ctcatcttct ttatccattt 60
ggaacaatcc aaagatgatt gaggtgtgtg aggctgggga gcgtccctct gtcactggag 120
tctctgtgtt cccagaagag cccgttccgg gtcaaagtac ctgcccctgt cctgcccttt 180
cccaaacagg aacagcattt cactccacc tctgcccccc aggttcttcc cctctccact 240
gccagcagcc cctccagggc tgggccagg ccaccacca ggaccttctc agtcttttca 300
aaaggccctc ctggtctatt tggcttccag aagctgactg gcctcttttg tctctggccc 360
acaggaactc ctgcaaactt tgcccatctc cacacctaca cccaggggaa gctgccacct 420
gggctgggat gccactgcc ccaggctgag caaggtaact gccacgaccc ttccaccttc 480
tctacacctg accaatgtt ctggtttctt caagggaata acagcggtg cacatcgaag 540
aaagcaatcc taataacttg ttgaatagct tcccagaaac cctgggtgat gttgggctct 600
tgctaccaac caaatctctc atgcctttgt tcaggctctt gaactcccag gcctgagagc 660
tgggctcagg tctgggtca ccaatattcc ttctcgatat 700

```

&lt;210&gt; 1284

&lt;211&gt; 566

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



```

<400> 1284
ctggttttctt caagggaaaa acagcggctg cacatcgaag aaagcaattc taataacttg 60
ttgaatagct tcccgagAAC cctgggtgat gttgggctct tgctaccaac caaatctctc 120
atgcctttgt tcaggctctt gaactcccag gcctgagagc tgggctcagg tcctgggtca 180
ccaatattcc ttctcgatat cccaggaata ctccactcct tgttacagac gttggcagtt 240
gaaagtttag ctctggaatg agccgctcag ttttcatctt ggggatactg acaatcatgt 300
gtatttatgt tgcagattac ttaacgggta ttcactttgt tgtgaaaata ttttatttta 360
ttaaggggagc cctcttagga gcctctgagc agagctcaga gcgggtacga gagcatctac 420
atttctctct caggtttcag taaattccct ctctctctgg aaagtgagca ctttgtagag 480
ggtccctttg tcagcagtgc tgcatttcta gaaggcttct ccatttgact tgggtctctgg 540
ttgcaatttc cacactccac agttaa                                     566

```

<210> 1285

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 1285
cactgcaacc tctgcctcct ggggtcaagca gttctcctgc ctgagcctcc tgagtagctg 60
ggattacatg ngactgccac cacaccagc taattttttg tatttttagt aaagatgagg 120
tttactatg ttggccaggc tgggtctcaaa ttcttgacct caggatgatcc acctgcctca 180
gccnncncna nngnnnnngnn nnnannngng nnnnncnnng tgcccagcca acaatatgct 240
ttattatctg atagagctag tctctactta ttactcttct atttcagaac cttcctagct 300
attcttccat gcttattctc cctaaggcat tttggatca ttttgttaaa agtcctactt 360
accatttcac tttctgcac tgctctaagg tttctggaag agtcattccc aaactttcag 420
ggaaaaaaag ggtgaagatt ccaatcagga cagtcagact acctatgacg atgtaggagg 480
gcattctgtt gtaagcacct gtaaagcccg ggacataaga acatcaatca gataggagga 540
ctctctgggc actcttgagc atcattttgt gaagttgggt aacagtataa gagaatggat 600
ttaaatctga acattttcag agaaaaaaa gtaagcaaaa tatcagtttc tttttggcag 660
atgacattgt gcatgtctat aatccttttg cattatcata                                     700

```

<210> 1286

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 1286
gtaaagcccg ggacataaga acatcaatca gataggagga ctctctgggc actcttgagc 60
atcattttgt gaagttgggt aacagtataa gagaatggat ttaaatctga acattttcag 120
agaaaaaaa gtaagcaaaa tatcagtttc tttttggcag atgacattgt gcatgtctat 180
aatccttttg cattatcata aggcttttca ttctttcctg tcaactggta tcctctaagc 240
tactactcag tcatgtgtga cagatgttcc tttggtagag ttctttgcct accagagttc 300
tcctcttaag gtggaggtaa ttggaaatgg gggatgggag gacatcaagg agaaggagg 360
taaccaggat gtttcaggga taggttttgg cnatgatagg tctggcatga ctctgctttt 420
gccccaaacta gtaggctgca gtggaaagt aggtccacag ggctatgaga ctcaaaaaaa 480
aaaaaaaaa aaaaaaaac aactaagtat tatgttccact tcagattaaa tcagtaaat 540
ataagtatca ggcacattct gtaaaggcac tgtgtgcctg gatttggctt ctttttggag 600
cattacatg tcttgggtta atatgtaatc tctttgtgaa gctttactca cacaggagaa 660
aaacagatcc tcatcttgct ttgcccctgt atacatacag                                     700

```

&lt;210&gt; 1287

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1287

```

aactaagtat tatgttcaact tcagattaaa tcagtaaatt ataagtatca ggcacattct 60
gtaaaggcac tgttgtcctg gatttggctt ctttttggag cacttacatg tcttgggtta 120
atatgtaatc tctttgtgaa gctttactca cacaggagaa aaacagatcc tcatcttgct 180
ttgccccctgt atacatacag agcttacaga ggaacagcac acccatggat ttcatttgac 240
ccaaaacata aggaaaatat tgttattgca gcttctctga ggcctctgtg tcactaacag 300
gagtagctgt gtggagtagg agactcttgg actccctgtc ttatgtacca gtgtctgacc 360
actggaccat ctgagcatag tttgaaatag tttgaaagta caggggaagga caaagggaaa 420
aataacacca ctctgtataa tctgctatct cagggtgtggc acagggcaac tgtgcagaat 480
atgtttgtta ggaaaatgtt tctctttctc tgtaagggtt tggattatac ctttcctgag 540
aattcataca tgttttcagg tgtgtgtgtg tgtgtgtgtg tgtgtgtacg tgtgtaccag 600
taggtaacca attgcccatt tgatgaggtg tgtctgcatt tctcaccagt agagtcctta 660
atgaggacca ggcattgggt gtcagatcct acatcagatt 700

```

&lt;210&gt; 1288

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1288

```

tctctttctc tgtaagggtt tggattatac ctttcctgag aattcataca tgttttcagg 60
tgtgtgtgtg tgtgtgtgtg tgtgtgtacg tgtgtaccag taggtaacca attgcccatt 120
tgatgaggtg tgtctgcatt tctcaccagt agagtcctta atgaggacca ggcattgggt 180
gtcagatcct acatcagatt gaacatgccg ctgaaacacc tctgtagttt catttcagat 240
tgacaccttt gagtatataa aaactaaaat tgtcttcatt acaaagatat cataaagtga 300
aaatacaaat ggtaaaactag gaaaaatatt tacaacatat atacaagggg ctaatttctt 360
ccattgcaaa gagtttgac aagtcaaaaa gaaaaagatg aatacacctg ttgcaggaag 420
ttagggaccc cgaaaggagg gactggctga agccatggca gaagaatgtg gattgtgaag 480
atttcatgga catttattag ttcccccatt taatactttt ataatttctt acgcctgtct 540
ttactgcaat ctctgaacat aaattgtgaa gatttcatgg acacttatca cttccccaat 600
caacaccctt gtgatttctt atgcctgtct ttaatctctt aatcccgtca tcttcataag 660
ctgaggagga tgtatgtcgc ctcaggaccc tgtgatgatt 700

```

&lt;210&gt; 1289

&lt;211&gt; 700

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (700)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1289

```

ttcccccatt taatactttt ataatttctt acgcctgtct ttactgcaat ctctgaacat 60
aaattgtgaa gatttcatgg acacttatca cttccccaat caacaccctt gtgatttctt 120
atgcctgtct ttaatctctt aatcccgtca tcttcataag ctgaggagga tgtatgtcgc 180
ctcaggaccc tgtgatgatt gcgttaactg cacaatttgt ttgtagagca tgttgttttg 240
aacaatacga aatctgggca ccttgaaaaa agaacaggat aacagcaatg ttcaggggaa 300
aagagagata accttaaaact ctgaccgtcg gtgagtcggg cagaacagag ccatatttct 360
cttctttcaa agtaaatgg gagaaatatc gctgaattct ttttctcagc aagggaacatc 420
cctgagaaag acaattcgtc cctgagggtg ggcctctaaa atggccactt tgggggcagc 480
tgtcttttac gggtgnagct gtagggatga aataagcccc agtctcccgt agcactccca 540
ggcttgtag gatgaggaaa ttccaccta ataaattttg gtcagaccgg ttgtctgctc 600

```

```
tcaaaccctg tttcctgata agatgttata aatgacaatg cgtgccccaa acttcattag 660
caattttaat tttgccccgg tctgtggttc ctgtgatctc 700
```

```
<210> 1290
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 1290
gtagggatga aataagcccc agtctcccgt agcactccca ggcttggttag gatgaggaaa 60
ttcccaccta ataaatTTTT gtcagaccgg ttgtctgctc tcaaaccctg tttcctgata 120
agatgttata aatgacaatg cgtgccccaa acttcattag caattttaat tttgccccgg 180
tctgtggttc ctgtgatctc accctgcctc catttgccct gtgatattct attaccttgt 240
gaagcacgtg atctctgtga cctacaccct attcgtacac tccctcccct tttgaaatca 300
ctaataaaaa cttgctgggt ttatgggtca gggggcatca tggaaacctg caatatgtga 360
tgttcccccc ggacacctag ctttaaaatt tctctctttt gtactctgtc cctttatttc 420
tcagaccagc tggcacttag ggaaaataga aaagaancct atgtgaatta tcagggctga 480
atTTTgcccG atatacacca ttaaagaatg ggcaaagaag gccaggcaca gtggctcatg 540
tctgttatcc cagcactttg ggaggccaag gcagggtgat cacctgaggt caggggtttg 600
agaccagcct gaccaatatg atgaaacccc atctctacta aaaatacaaa aaaaaanaaa 660
aaattagccg gacatggttg catgcgcctg tagtcccagc 700
```

```
<210> 1291
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 1291
ttaaagaatg ggcaaagaag gccaggcaca gtggctcatg tctgttatcc cagcactttg 60
ggaggccaag gcagggtgat cacctgaggt caggggtttg agaccagcct gaccaatatg 120
atgaaacccc atctctacta aaaatacaaa aaaaaanaaa aaattagccg gacatggttg 180
catgcgcctg tagtcccagc aactcaggag gttgaggcag gagaattgat tgaaccagg 240
cggcggaggt tgcagtgagc tgagattgct ccactgtanc tccagcctgg gtgacagagt 300
gagactccat ctccaaaaaa aaaaaaaggg gcaaagaaca tgagcagtca gttcactgaa 360
aaataaataa aatggccaaa aaatacacaa aaacatgctc aacctattc ataattaata 420
aataggaatg aaagtaacaa tgatatccat ttttcacata acagataacc aatgattaaa 480
aaattaggcc aggtgctgtg gctcaaacct gtaatcccag cactttggga ggttgaggcg 540
ggtggatcac ttgagcccag gagttngaaa ccagcctggg caaactggca aaatcccgtc 600
tntaccagaa aaaaaaaaaa attagctggg cttgacggtg tgcattgctg tagttccagc 660
tagttggggag tctgaggttg gaggatctct tgagcctggg 700
```

```
<210> 1292
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
```

<223> n = A,T,C or G

<400> 1292

```

gctcaaacct gtaatcccag cactttggga ggttgaggcg ggtggatcac ttgagcccag 60
gagttngaaa ccagcctggg caaactggca aaatcccgtc tntaccagaa aaaaaaaaaa 120
attagctggg cttgacggtg tgcattgctg tagttccagc tagttgggag tctgaggtgg 180
gaggatctct tgagcctggg ggattgaggc tgcagtgagc tgggaatcta ggatcgcacc 240
actacactcc agagtggagc cctgtctcag aaaaaaaaaa aaaaaaaaga attaggtaat 300
ctttattgtt ggtgagatta ttgaaaacca ctcttaccta ttaataatta gattataatt 360
ggcacaatat gtagagttca atttgggaat atctatgaaa ttttttaatg gctctctttg 420
ctccaggaat tttacttcta tgaatctacc tgtaaatacca aatatacgta agtaaattca 480
caaaggggtg aggagcatgt gnagaatgtt cgttgtaatg nttattttgta atagcaaaaa 540
cctggaaatg acctacatgt cctccattca ttggagcctg gttaaataaaa ttatgtgttt 600
cnagtataaa agtaagattt tncattgtga aaacttcaaa tggcatggaa tgtactggaa 660
aaaagtacaa gttcacctcc cctctcccag gaggatccct 700

```

<210> 1293

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1293

```

gnagaatgtt cgttgtaatg nttattttgta atagcaaaaa cctggaaatg acctacatgt 60
cctccattca ttggagcctg gttaaataaaa ttatgtgttt cnagtataaa agtaagattt 120
tncattgtga aaacttcaaa tggcatggaa tgtactggaa aaaagtacaa gttcacctcc 180
cctctcccag gaggatccct agaaaaccaa catgaactgt ttggtgagta gccctacaga 240
cattttgttt tgcacaacat tatgtacaca cacacatata tatataattt tttanacggc 300
actctttgct ccaggaattt tacttctgtg aatctatctg tagattatac ttacatatac 360
ttatttttaa atgtacttat atacattttt aaaaggaggt acctatttaa aaagaaggta 420
aaggagcaat atgtaactat ttggaaggat attctgatac aatgttaagt ttaaaaagtt 480
ttaacatata taatgtttatt tgtgtgttta ttctttttat tttttattat ttttatttat 540
ttttgagaca gagttttgct nttgttgccc aggttggagt gcagtgggtg aatcttgact 600
cactgcagcc tctgcctcct gggttcaagc aattctccta cctcagcctc cagagtagcc 660
gggattacag gcacctgccg gcacacctgg ctaatttttt 700

```

<210> 1294

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1294

```

tgtgtgttta ttctttttat tttttattat ttttatttat ttttgagaca gagttttgct 60
nttgttgccc aggttggagt gcagtgggtg aatcttgact cactgcagcc tctgcctcct 120
gggttcaagc aattctccta cctcagcctc cagagtagcc gggattacag gcacctgccg 180
gcacacctgg ctaatttttt tatttttagt agagacaggg ttccaccatg ctggccaggc 240
tggtcttgaa ctctctggcct caggtgatcc acctaccttg gcctnccaaa gtgctgggat 300
tacatgcntg agccaccacg cctgagttgc nngtgtgttt aaaaaattat atacatacnt 360
gngnacatga tgnngtgcaa aacaaantgt ctgnancnct actcaccagt ttngnatngg 420
ctttctagag ctctcctctg gagaggagag gngaacttgt actttntttc cngtacattc 480

```

```
tatgctatatt gacgtttttca caatgaaaat cttacttttta ncattgaaaa ctaattttaa 540
ggaagaacaa atgcacaaga tgcagctcac cgaggtaaac aaagtagggg gcaatgatgc 600
tgcccactct ggaggccgtg gatgtgaccc ccaccgcat gttcctgacc agggttgggt 660
agagctcagc agtgaagaca tacagcatgg agaaagcaga 700
```

```
<210> 1295
<211> 45
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(45)
<223> n = A,T,C or G
```

```
<400> 1295
aaacttcctg tgcaaccag antatcacct ttgaaagttt caaag 45
```

```
<210> 1296
<211> 57
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(57)
<223> n = A,T,C or G
```

```
<400> 1296
atttccttcc ccttgatgata atgtctctcg tnataaggat cctggagtga ctcaagc 57
```

```
<210> 1297
<211> 66
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(66)
<223> n = A,T,C or G
```

```
<400> 1297
acacgcatag gaaactcctt ccagagggtt ttcncctgtc tctgtaggaa ggggggcccc 60
agaggg 66
```

```
<210> 1298
<211> 53
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(53)
<223> n = A,T,C or G
```

```
<400> 1298
aaaggaaact tcctgtgcaa cccagantat cacctttgaa agtttcaaag aga 53
```

```
<210> 1299
```

<211> 47  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(47)  
 <223> n = A,T,C or G

<400> 1299  
 ctgggaaccc aaacatcctg gagaanagct gagaacctac caaggga 47

<210> 1300  
 <211> 59  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(59)  
 <223> n = A,T,C or G

<400> 1300  
 agacagaaaa ttagcttaga gatgggaggt ggcangatct ctaaagctgt cccgctgcc 59

<210> 1301  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(62)  
 <223> n = A,T,C or G

<400> 1301  
 atgggaggtg gcacgatctc taaagctgtc cngctgccat tcaggagtgc ctcatgcata 60  
 ag 62

<210> 1302  
 <211> 51  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(51)  
 <223> n = A,T,C or G

<400> 1302  
 ggctacttga aagatccaga caggangaag gaggccctgg acagcgatgg c 51

<210> 1303  
 <211> 53  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

```
<210> 1304
<211> 32
<212> DNA
<213> Homo sapiens
```

```
<210> 1305
<211> 30
<212> DNA
<213> Homo sapiens
```

```
<210> 1306
<211> 28
<212> DNA
<213> Homo sapiens
```

```
<210> 1307
<211> 29
<212> DNA
<213> Homo sapiens
```

<210> 1308

<211> 56  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(56)  
 <223> n = A,T,C or G

<400> 1308  
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<210> 1309  
 <211> 63  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1309  
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 gag 63

<210> 1310  
 <211> 48  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(48)  
 <223> n = A,T,C or G

<400> 1310  
 aaggccctca ttgattcatg attangtggt ttgttgttgt ccatgcct 48

<210> 1311  
 <211> 69  
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 <213> Homo sapiens

<220>  
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 <222> (1)...(69)  
 <223> n = A,T,C or G

<400> 1311  
 ctttcatgta gaaagagcta gtagtacttg attntataat gcttaccatg tccatatgaa 60  
 caagcttcc 69

<210> 1312  
 <211> 52  
 <212> DNA  
 <213> Homo sapiens

<220>



<221> misc\_feature  
 <222> (1)...(52)  
 <223> n = A,T,C or G

<400> 1312  
 tccttctca caaactccta agtaccenga gagcaatagg actcctgtta aa 52

<210> 1313  
 <211> 48  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1313  
 gggttttgtg tatctaaaat agngacctc agccttaaaa cctcatct 48

<210> 1314  
 <211> 50  
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 <213> Homo sapiens

<220>  
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 <222> (1)...(50)  
 <223> n = A,T,C or G

<400> 1314  
 tggaaaaatc aattaccctt gtattacntg tgtggagaaa tgaaggcatt 50

<210> 1315  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(62)  
 <223> n = A,T,C or G

<400> 1315  
 aatttattta ttgctttta aataagtgan ctctctgctc atttggattc tgctatctcg 60  
 ta 62

<210> 1316  
 <211> 59  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n = A,T,C or G

<400> 1316  
 ttatttattt gcttttaaat aagtgactct nctgctcatt tggattctgc tatctcgta 59

<210> 1317  
 <211> 59  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1317  
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<210> 1318  
 <211> 59  
 <212> DNA  
 <213> Homo sapiens

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 <222> (1)...(59)  
 <223> n = A,T,C or G

<400> 1318  
 cccccacat ctctcggtgg gcgaagggan aatggatatct ttaataccaa aaagataat 59

<210> 1319  
 <211> 59  
 <212> DNA  
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 <223> n = A,T,C or G

<400> 1319  
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<210> 1320  
 <211> 42  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1320  
 ccatctatgt aggtaacnga ggcaaagcaa gggctaggga ga

42

<210> 1321  
 <211> 58  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<222> (1)...(58)

<223> n = A,T,C or G

<400> 1321

gggaggcaga cattaggcaa ataatnacat ggatctctga aaaacatagc tcctacga 58

<210> 1322

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(50)

<223> n = A,T,C or G

<400> 1322

agaggaatgg ggtggagttg gcagnggggc tggttctcgg ctctccccga 50

<210> 1323

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(50)

<223> n = A,T,C or G

<400> 1323

ctggcttagg ccaaagaact ggccangtta cagttcccac agagtaccg 50

<210> 1324

<211> 53

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(53)

<223> n = A,T,C or G

<400> 1324

agggtgagtg aggtgtacta gggantctgg acactgagcc cctgaagttg ggg 53

<210> 1325

<211> 45

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(45)

<223> n = A,T,C or G

<400> 1325

gcggctgcag ggggaggcac aagcntgggc caggcgccaa gcggc 45

<210> 1326

<211> 61  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(61)  
 <223> n = A,T,C or G

<400> 1326  
 ctgggtaaaa caggctgccc tggacaaagc nggaaacaga atgaggctcc aggcgttgat 60  
 t 61

<210> 1327  
 <211> 60  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(60)  
 <223> n = A,T,C or G

<400> 1327  
 ccacattttc ttaatccagt ctatcattgn tggacatttg ggttggttcc aagtctttgc 60

<210> 1328  
 <211> 60  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(60)  
 <223> n = A,T,C or G

<400> 1328  
 tccttcacag gacaggaatt ctgcaaaana aacatttcat tagcttgcat tggtaagcat 60

<210> 1329  
 <211> 57  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(57)  
 <223> n = A,T,C or G

<400> 1329  
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<210> 1330  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(62)  
 <223> n = A,T,C or G

<400> 1330  
 aataggtgtc gatttgcagt gacaatgtga gncaattagt ttatcaggag aagctaacga 60  
 tg 62

<210> 1331  
 <211> 61  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(61)  
 <223> n = A,T,C or G

<400> 1331  
 tgaacttttag ctctcttttgg taaataggaa atngctccaa ctacttgtcc acccaagaaa 60  
 c 61

<210> 1332  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(63)  
 <223> n = A,T,C or G

<400> 1332  
 tatctgccgc cctccccctcc acagcttgtc agncttcac taattggaaa agccagatgc 60  
 tcg 63

<210> 1333  
 <211> 67  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(67)  
 <223> n = A,T,C or G

<400> 1333  
 tccccctccc ttgttttcgtc cegatctctg ttencatctt atctcatggg gaggatttct 60  
 ccaacct 67

<210> 1334  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(62)

<223> n = A,T,C or G

<400> 1334

ctcttttgcta acatattttaa tattttaaata cnaggaaaaa caataaatta ctcgttggt 60  
ga 62

<210> 1335

<211> 52

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(52)

<223> n = A,T,C or G

<400> 1335

atgtcgcctt ttctgtctt tccctcnttt tcttagaagt cctccagaaa cc 52

<210> 1336

<211> 57

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(57)

<223> n = A,T,C or G

<400> 1336

ctggagtgcc gctacttggc cgtgtgaccc cctacgggc ctgtttccta atctgta 57

<210> 1337

<211> 64

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(64)

<223> n = A,T,C or G

<400> 1337

ataatgcaga acaaattaga gaaaaactcc ngtcaggctc tccactcacc catggctggt 60  
ggct 64

<210> 1338

<211> 57

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(57)

<223> n = A,T,C or G

<400> 1338

aaacaaacaa tgcccggcag agtcaccngg gctggccatt tgaaaagagt acatcag 57

<210> 1339

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(58)

<223> n = A,T,C or G

<400> 1339

gggagggctc ctggaaccca gagagaccng taggagggga ctgccggcag gagctgtg 58

<210> 1340

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(63)

<223> n = A,T,C or G

<400> 1340

gcggcatctc catccttcca atgaacttga gcntgagcaa tgaacttgag tgtacagtct 60  
cat 63

<210> 1341

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(63)

<223> n = A,T,C or G

<400> 1341

tactttatct tcaattcgca gttgggtgaa aaantctgca aatacgtagc cctcccagtt 60  
caa 63

<210> 1342

<211> 65

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(65)

<223> n = A,T,C or G

<400> 1342

cagtagtgct aggaaagaga tgtggattac tgcntctgtg caatgataaa gcagtaagtt 60  
atccg 65

<210> 1343

<211> 56

<212> DNA

<213> Homo sapiens

<220>  
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 <222> (1)...(56)  
 <223> n = A,T,C or G

<400> 1343  
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<210> 1344  
 <211> 61  
 <212> DNA  
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<220>  
 <221> misc\_feature  
 <222> (1)...(61)  
 <223> n = A,T,C or G

<400> 1344  
 ctaaactggg gtcataatttc ctcacagcc ncattctgct aatgccagat gccctgggaa 60  
 g 61

<210> 1345  
 <211> 57  
 <212> DNA  
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<220>  
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 <222> (1)...(57)  
 <223> n = A,T,C or G

<400> 1345  
 tctgctaattg ccagatgccc tgggaagntc ttcactgcc tcttgggaagg atgcaga 57

<210> 1346  
 <211> 49  
 <212> DNA  
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<220>  
 <221> misc\_feature  
 <222> (1)...(49)  
 <223> n = A,T,C or G

<400> 1346  
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<210> 1347  
 <211> 59  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(59)  
 <223> n = A,T,C or G

<400> 1347



ctgctcccat cttccctata ccatgtctga ncccttgagc cataacatgg atggacagc 59

<210> 1348  
 <211> 54  
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<220>  
 <221> misc\_feature  
 <222> (1)...(54)  
 <223> n = A,T,C or G

<400> 1348  
 aagctacaca agatggggcat ttggcctttn accaacaatgc ttgttccttg actt 54

<210> 1349  
 <211> 61  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(61)  
 <223> n = A,T,C or G

<400> 1349  
 cagcaaacc catgcaaaca ttcagcattt canggctgag gccacacaca gaagccatca 60  
 g 61

<210> 1350  
 <211> 52  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(52)  
 <223> n = A,T,C or G

<400> 1350  
 aaaccccatg caaacattca gcatttcacn gctgaggcca cacacagaag cc 52

<210> 1351  
 <211> 57  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(57)  
 <223> n = A,T,C or G

<400> 1351  
 ggtagcccac agatgtttct gtggctacca acngagaaaa gccatctttt aaacagc 57

<210> 1352  
 <211> 69  
 <212> DNA  
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(69)
<223> n = A,T,C or G

<400> 1352
gccatctttt aaacagcaga aatctcactc gttcnctgt cccactctct cctgtcaat 60
ccccaggac                                         69

<210> 1353
<211> 64
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(64)
<223> n = A,T,C or G

<400> 1353
ccatctgaga cctcatcagc cagccttca ctttccanat caccatcagc attctggta 60
caac                                              64

<210> 1354
<211> 38
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(38)
<223> n = A,T,C or G

<400> 1354
ggggcttgcg cagcactggg ccngggacgc agacccaa
                                                    38

<210> 1355
<211> 52
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(52)
<223> n = A,T,C or G

<400> 1355
cagcactggg ccggggacgc agacccaana cgacagcagg cagcgccgag cg
                                                    52

<210> 1356
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(27)
<223> n = A,T,C or G

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<400> 1356  
 cccaggttg tttngaactc ctggctt 27  
  
 <210> 1357  
 <211> 24  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(24)  
 <223> n = A,T,C or G  
  
 <400> 1357  
 actgctgggc cngtgtggt ggct 24  
  
 <210> 1358  
 <211> 27  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
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 <222> (1)...(27)  
 <223> n = A,T,C or G  
  
 <400> 1358  
 gctgggccgg gtgnggtggc tcacccc 27  
  
 <210> 1359  
 <211> 26  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
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 <222> (1)...(26)  
 <223> n = A,T,C or G  
  
 <400> 1359  
 aggcaggtg atcacnaggt caagga 26  
  
 <210> 1360  
 <211> 19  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
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 <223> n = A,T,C or G  
  
 <400> 1360  
 gtaaaattta ntttttttt 19  
  
 <210> 1361  
 <211> 23  
 <212> DNA  
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(23)
<223> n = A,T,C or G

<400> 1361
ttagaaaaac nactgctggg ccg
23

<210> 1362
<211> 31
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 1362
ctcagaaaaa caaaacanaa caaaaagaaa c
31

<210> 1363
<211> 25
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(25)
<223> n = A,T,C or G

<400> 1363
taaaaattta antttttttt ttttt
25

<210> 1364
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1364
aaaaanaaac aacactttag ag
22

<210> 1365
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 1365
aactcctgac ctaangtgat ccgcctgctt
30

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<210> 1366  
 <211> 23  
 <212> DNA  
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<220>  
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 <222> (1)...(23)  
 <223> n = A,T,C or G

<400> 1366  
 gttttttttt nttagagaca gaa

23

<210> 1367  
 <211> 26  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(26)  
 <223> n = A,T,C or G

<400> 1367  
 tttcctttac catnctgtcc tcatat

26

<210> 1368  
 <211> 24  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(24)  
 <223> n = A,T,C or G

<400> 1368  
 ccatcctgtc ntcatatata aact

24

<210> 1369  
 <211> 23  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(23)  
 <223> n = A,T,C or G

<400> 1369  
 tgggtgcttc tacntttttt ttt

23

<210> 1370  
 <211> 25  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

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<222> (1)...(25)
<223> n = A,T,C or G

<400> 1370
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<210> 1371
<211> 26
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 1371
gtgctgggat tanaggtgtg aaccac                26

<210> 1372
<211> 29
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(29)
<223> n = A,T,C or G

<400> 1372
aggtgtgaac cactgntccc agccacttc            29

<210> 1373
<211> 26
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 1373
ttcatttatg cacatnacac acacac                26

<210> 1374
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(27)
<223> n = A,T,C or G

<400> 1374
ttccatccac tgtgnacagt gttattt                27

<210> 1375

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<211> 28  
 <212> DNA  
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<220>  
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 <222> (1)...(28)  
 <223> n = A,T,C or G

<400> 1375  
 ggaattctgc aaaanaaaca tttcatta

28

<210> 1376  
 <211> 26  
 <212> DNA  
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<220>  
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 <222> (1)...(26)  
 <223> n = A,T,C or G

<400> 1376  
 ggtaagcatt tgtcntgcct gcctgt

26

<210> 1377  
 <211> 36  
 <212> DNA  
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<220>  
 <221> misc\_feature  
 <222> (1)...(36)  
 <223> n = A,T,C or G

<400> 1377  
 accattacct atctgctttn ggggtgggtg gcgcgg

36

<210> 1378  
 <211> 37  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(37)  
 <223> n = A,T,C or G

<400> 1378  
 tccctccttg agtgtcctca ncggttcct ggggtac

37

<210> 1379  
 <211> 28  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(28)

<223> n = A,T,C or G  
 <400> 1379  
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 <210> 1380  
 <211> 22  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(22)  
 <223> n = A,T,C or G  
 <400> 1380  
 atcttgcttc natgctttcc cc 22  
 <210> 1381  
 <211> 20  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(20)  
 <223> n = A,T,C or G  
 <400> 1381  
 ccctacaacc natctgtcag 20  
 <210> 1382  
 <211> 33  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(33)  
 <223> n = A,T,C or G  
 <400> 1382  
 aaggggtgctg cagctccnaa ggagtgttta gaa 33  
 <210> 1383  
 <211> 31  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)...(31)  
 <223> n = A,T,C or G  
 <400> 1383  
 gagcagcaca tggnccaagt gaggagctaa g 31  
 <210> 1384  
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22

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21

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30

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<400> 1419
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28

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31

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22

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25

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<211> 29

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29

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17

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23

<210> 1459  
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23

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30

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29

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<400> 1468
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<400> 1469
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<210> 1470
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<400> 1470
ttttctgcag taatacntat taaaaattta gattc                 35

<210> 1471

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<211> 33
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<400> 1471
cagaaccctc atagcatgng atcactgata aag 33

<210> 1472
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<400> 1472
catcaacaag gttcttanag aattcctaag g 31

<210> 1473
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<400> 1473
aatgagaaa atctanaatg aatctctgt 29

<210> 1474
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<400> 1474
tatcacttct tcagtnataa agttcttaa 29

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<223> n = A,T,C or G

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aacaggtatt taatattctt cacattncag taataaagac

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<210> 1476

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<223> n = A,T,C or G

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cagtcctata tttcaaanga gcaaacagac a

31

<210> 1477

<211> 31

<212> DNA

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<223> n = A,T,C or G

<400> 1477

aaactatttt actaaanaga agtccccatt a

31

<210> 1478

<211> 24

<212> DNA

<213> Homo sapiens

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<222> (1)...(24)

<223> n = A,T,C or G

<400> 1478

aaactctatc ttnaaaaaaa aaaa

24

<210> 1479

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tgttgtgcan agtaagagaa

20

<210> 1480

<211> 21

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<400> 1480  
 cctaacatta nttcaaaata a

21

<210> 1481  
 <211> 18  
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<400> 1481  
 agtttttttna aattttttt

18

<210> 1482  
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<400> 1482  
 aaaaattana aaaatttagc

19

<210> 1483  
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<400> 1483  
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19

<210> 1484  
 <211> 19  
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<400> 1484
aacaagcttn tctttaaac
19

<210> 1485
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<400> 1485
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20

<210> 1486
<211> 19
<212> DNA
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<223> n = A,T,C or G

<400> 1486
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<210> 1487
<211> 18
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1487
aaaaaaacan aaggcact
18

<210> 1488
<211> 19
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<223> n = A,T,C or G

<400> 1488
gaagggtcan acaggaaag
19

<210> 1489
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<223> n = A,T,C or G

<400> 1489
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<210> 1490
<211> 20
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<223> n = A,T,C or G

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atatattccn agaaatgcat                                20

<210> 1491
<211> 21
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1491
aaatgcatca ntaggcaatt t                                21

<210> 1492
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1492
gacgaccttt tnaaaaaaaaa a                                21

<210> 1493
<211> 22
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1493
ttttaataac ntgtaaaatg cc                                22

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<210> 1494  
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 <212> DNA  
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<400> 1494  
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<210> 1495  
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<400> 1495  
 gcttttttaaa ntttttct 18

<210> 1496  
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<220>  
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<400> 1496  
 ctacaaagtn tattttaaggg 20

<210> 1497  
 <211> 22  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1497  
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<210> 1498  
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 1498
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<210> 1499
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<400> 1499
accagtaatt atttaaaaat naaagtacta attgttt             37

<210> 1500
<211> 36
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1500
agccgggcgt ggtggcagnt gcctgtaatc ccagct             36

<210> 1501
<211> 21
<212> DNA
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 1501
gttttgagan agtctcactc t                               21

<210> 1502
<211> 32
<212> DNA
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 1502
taattttaaa ggctctgntc cctgctcttt tc                 32

<210> 1503

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<211> 23
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1503
ccccacaaa gnccgagaag cct
23

<210> 1504
<211> 34
<212> DNA
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<223> n = A,T,C or G

<400> 1504
aaaatcgaga tgaaggnttt gagcatttca gaga
34

<210> 1505
<211> 26
<212> DNA
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<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 1505
ttgcagtgag ccnagatcac gtcact
26

<210> 1506
<211> 29
<212> DNA
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<223> n = A,T,C or G

<400> 1506
tagagtttgt tcccnagagt ttgttccca
29

<210> 1507
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<223> n = A,T,C or G

<400> 1507

cttttagtttc atcttnccta ctgccca

26

<210> 1508

<211> 19

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<223> n = A,T,C or G

<400> 1508

ctggctccna attaataag

19

<210> 1509

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<220>

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<223> n = A,T,C or G

<400> 1509

taaagtaaga atccctaagg ttnaaaaaaaa aaaaaag

37

<210> 1510

<211> 40

<212> DNA

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<222> (1)...(40)

<223> n = A,T,C or G

<400> 1510

ttacttctgc aggagctnta gggagatgaa ggaagaagcc

40

<210> 1511

<211> 35

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1511

ccctggaggg agagctgnng tgaaggaaat gacac

35

<210> 1512

<211> 32

<212> DNA  
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<220>  
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<400> 1512  
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32

<210> 1513  
 <211> 27  
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 <223> n = A,T,C or G

<400> 1513  
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27

<210> 1514  
 <211> 26  
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<220>  
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 <223> n = A,T,C or G

<400> 1514  
 ggtagggcta ctnttatttt atgggtt

26

<210> 1515  
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<400> 1515  
 aaaggatttg aattttgagn gaaaagtt

28

<210> 1516  
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<400> 1516  
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 <400> 1517  
 ggaagaagtt cttacttccn tgtgggtgct ta 32  
  
 <210> 1518  
 <211> 24  
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 <400> 1518  
 acttcatatt tntcactgtg tccc 24  
  
 <210> 1519  
 <211> 38  
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 <223> n = A,T,C or G  
  
 <400> 1519  
 ggtccctgag ctcccngaga caacatgcag aattactg 38  
  
 <210> 1520  
 <211> 34  
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 <400> 1520  
 gtcagcccac ccattnagta actgttctct gctg 34  
  
 <210> 1521  
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<220>
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<223> n = A,T,C or G

<400> 1521
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35

<210> 1522
<211> 24
<212> DNA
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<223> n = A,T,C or G

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24

<210> 1523
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<222> (1)...(40)
<223> n = A,T,C or G

<400> 1523
ccccagcact gtcgcctgt gctgtcagca gcactctccc
40

<210> 1524
<211> 35
<212> DNA
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<223> n = A,T,C or G

<400> 1524
acctgtggct tctgctgtnc cccagcactg tcgcc
35

<210> 1525
<211> 40
<212> DNA
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<223> n = A,T,C or G

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gcagggttgg tcgnggggcg ctcgatgtct tgcaaactaa
40

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<210> 1526  
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<400> 1526  
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<210> 1527  
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<400> 1527  
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<210> 1528  
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<220>  
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<210> 1529  
 <211> 39  
 <212> DNA  
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 <223> n = A,T,C or G

<400> 1529  
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<210> 1530  
 <211> 37  
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<220>  
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<222> (1)...(37)
<223> n = A,T,C or G

<400> 1530
ctgcagtaca gtgggggctg ntgagaggag ggaaggg          37

<210> 1531
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<223> n = A,T,C or G

<400> 1531
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<223> n = A,T,C or G

<400> 1532
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<223> n = A,T,C or G

<400> 1533
aggtcaggag ttngagacca gcctgactaa catggtgaaa          40

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<220>
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<222> (1)...(38)
<223> n = A,T,C or G

<400> 1534
aatcagcctt taggatcngt taatatgatg atggcttt          38

<210> 1535

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<211> 38
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<223> n = A,T,C or G

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38

<210> 1536
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<223> n = A,T,C or G

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ggaaagccac catnggaagg gaaggcagg
29

<210> 1537
<211> 37
<212> DNA
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<223> n = A,T,C or G

<400> 1537
gccaaggggtg tgatactggc tnagaggagc tggctca
37

<210> 1538
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1538
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35

<210> 1539
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<212> DNA
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<223> n = A,T,C or G

<400> 1539

cacattgtga attagctacn gctgccatgc cttaagg

37

<210> 1540

<211> 28

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(28)

<223> n = A,T,C or G

<400> 1540

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28

<210> 1541

<211> 32

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(32)

<223> n = A,T,C or G

<400> 1541

cctgatgccca ccgtcccnta ccctcataca ac

32

<210> 1542

<211> 37

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(37)

<223> n = A,T,C or G

<400> 1542

ctgatgccac cgtcccctnc cctcatacaa ccttctt

37

<210> 1543

<211> 32

<212> DNA

<213> Homo sapiens

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<221> misc\_feature

<222> (1)...(32)

<223> n = A,T,C or G

<400> 1543

cacaaagaac taccccnttt tcagctgagc cc

32

<210> 1544

<211> 34

<212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1544  
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34

<210> 1545  
 <211> 36  
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<400> 1545  
 tcatgtgtga acacatanga cgtgtgtaaa tatgta

36

<210> 1546  
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<400> 1546  
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39

<210> 1547  
 <211> 35  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1547  
 gaacagggac atgcatctnt tataaaatcc ttctcg

35

<210> 1548  
 <211> 40  
 <212> DNA  
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<220>  
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ttataaaatc ctttcggnca ggcgcggtgg ctcacacctg
40

<210> 1549
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<212> DNA
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38

<210> 1550
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<223> n = A,T,C or G

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actccagccc gggcaccnaa aaaa
24

<210> 1551
<211> 31
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<400> 1551
tgaaccgagg agatgnaggt tgcagtgagc t
31

<210> 1552
<211> 37
<212> DNA
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<222> (1)...(37)
<223> n = A,T,C or G

<400> 1552
tccagcctgg gtgacaagag ngagactttg tctcaaa
37

<210> 1553
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<400> 1553  
 ttgtctcaaa aaaaaaaaaa tccttttg 28  
  
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 <400> 1554  
 gaagggtgtgg atatgtgcnt ttctgtctc cct 33  
  
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 <400> 1557  
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 <210> 1558  
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<220>
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<400> 1558
ctcagtcocca gaaaccatat gnactgtgac cccgctcact
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<210> 1559
<211> 34
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1559
tctctactaa aaaanaacta accaggcgtg gtgg
34

<210> 1560
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1560
ggaacagagg natagacagg a
21

<210> 1561
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 1561
agactctgtc tcnaaaaa
18

<210> 1562
<211> 29
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1562
atcattctaa gganctgaca gtgcttctg
29

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<210> 1563  
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 <213> Homo sapiens

<220>  
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<400> 1563  
 gaagctaata ngcaaaccat c 21

<210> 1564  
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<220>  
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<400> 1564  
 acctcaaagt ntggctggat a 21

<210> 1565  
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<220>  
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<400> 1565  
 gtaagacaca ngcctgcaga g 21

<210> 1566  
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 <212> DNA  
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<220>  
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<400> 1566  
 aagacaacct agtctnctgt tctgctttaa a 31

<210> 1567  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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<222> (1)...(29)  
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<400> 1567  
 tgagttctta cacagtggtn aaacaaaca 29

<210> 1568  
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<220>  
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 <223> n = A,T,C or G

<400> 1568  
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<210> 1569  
 <211> 32  
 <212> DNA  
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<220>  
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<400> 1569  
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<210> 1570  
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<400> 1570  
 gagggccaaa ggctttgtcc tgccnctcct gcct 35

<210> 1571  
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<220>  
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 <223> n = A,T,C or G

<400> 1571  
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<210> 1572

<211> 19  
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<220>  
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 <223> n = A,T,C or G

<400> 1572  
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19

<210> 1573  
 <211> 35  
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<220>  
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 <223> n = A,T,C or G

<400> 1573  
 gacccttgct tacatngtac ataacaatag ctata

35

<210> 1574  
 <211> 29  
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<220>  
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 <223> n = A,T,C or G

<400> 1574  
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29

<210> 1575  
 <211> 31  
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<400> 1575  
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31

<210> 1576  
 <211> 34  
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<220>  
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<223> n = A,T,C or G

<400> 1576  
gctattttct tcnttgatt ctgcagtgac cagg 34

<210> 1577  
<211> 28  
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<220>  
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<223> n = A,T,C or G

<400> 1577  
ttgacaaaca cttattntaa ctgtcacc 28

<210> 1578  
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<212> DNA  
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<220>  
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<222> (1)...(31)  
<223> n = A,T,C or G

<400> 1578  
cattcactgt gctgttcngg gctagagaag a 31

<210> 1579  
<211> 38  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)...(38)  
<223> n = A,T,C or G

<400> 1579  
cactgctgct ctgcagtgac ncctgcttcc ccctaagt 38

<210> 1580  
<211> 38  
<212> DNA  
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<223> n = A,T,C or G

<400> 1580  
gtgaccctat tggatcttct cangccactg agggatat 38

<210> 1581  
<211> 33

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<212> DNA
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<223> n = A,T,C or G

<400> 1581
caagagggaa tggagtcttt ngcagagggg ctg
33

<210> 1582
<211> 31
<212> DNA
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<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 1582
cttctgcttc tgcttctgnc ccttctgcct c
31

<210> 1583
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 1583
gagtgtgggt tgagaagant ctgaggagtg ggac
34

<210> 1584
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1584
tttttaaaga ctagtcnctg ggcgcggt
28

<210> 1585
<211> 36
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(36)
<223> n = A,T,C or G

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<400> 1585  
 gagaatggcg tgaacccggg aggnagagct tgcagt 36

<210> 1586  
 <211> 37  
 <212> DNA  
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<220>  
 <221> misc\_feature  
 <222> (1)...(37)  
 <223> n = A,T,C or G

<400> 1586  
 aagcgagact ccatctcnaa aaaaaaaciaa aaaacia 37

<210> 1587  
 <211> 35  
 <212> DNA  
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<220>  
 <221> misc\_feature  
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 <223> n = A,T,C or G

<400> 1587  
 gagcttgagc tgagctgana tcgagccact gcact 35

<210> 1588  
 <211> 30  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1588  
 gaagtgaata ccaaatnaa gggctacaga 30

<210> 1589  
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 <222> (1)...(21)  
 <223> n = A,T,C or G

<400> 1589  
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<210> 1590  
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 <213> Homo sapiens

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<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 1590
catacacaag aangagttcc atttactg 28

<210> 1591
<211> 38
<212> DNA
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<223> n = A,T,C or G

<400> 1591
aaaacaaaca aacaaacaaa caaanacact gtcatgcc 38

<210> 1592
<211> 22
<212> DNA
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<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1592
ggcaaataat nacatggatc tc 22

<210> 1593
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<223> n = A,T,C or G

<400> 1593
agttggcagn ggggctgggt c 21

<210> 1594
<211> 24
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1594
aaactgtgat ttncagtttc attt 24

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<210> 1595
<211> 24
<212> DNA
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<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 1595
ccctcagagg gcnggtactg gact                24

<210> 1596
<211> 36
<212> DNA
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<220>
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<222> (1)...(36)
<223> n = A,T,C or G

<400> 1596
cttcattctt ccctgccaan gaagctggtg gtgccc    36

<210> 1597
<211> 25
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<220>
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<222> (1)...(25)
<223> n = A,T,C or G

<400> 1597
agccactact tgggcngctc agctc                25

<210> 1598
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<212> DNA
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<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 1598
cacacttctc ccacnagaaa taaagcaagc a         31

<210> 1599
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<220>
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<222> (1)...(28)  
 <223> n = A,T,C or G  
  
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 <223> n = A,T,C or G  
  
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 agcctgagcc tngcgagcc cagac 25  
  
 <210> 1601  
 <211> 29  
 <212> DNA  
 <213> Homo sapiens  
  
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 <223> n = A,T,C or G  
  
 <400> 1601  
 acacacacac acantttttt gagagagag 29  
  
 <210> 1602  
 <211> 35  
 <212> DNA  
 <213> Homo sapiens  
  
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 <223> n = A,T,C or G  
  
 <400> 1602  
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 <210> 1603  
 <211> 32  
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 <223> n = A,T,C or G  
  
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 <210> 1604



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<211> 27
<212> DNA
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<223> n = A,T,C or G

<400> 1604
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<223> n = A,T,C or G

<400> 1605
tctaaagaaa aagaaagcng tgaattcttg gac        33

<210> 1606
<211> 35
<212> DNA
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<220>
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 1606
gctctgtgcc aggcaggggn ctccgaggtg agtgt      35

<210> 1607
<211> 32
<212> DNA
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<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 1607
ccaggcaggg ggctccgngg tgagtgtggc ct        32

<210> 1608
<211> 34
<212> DNA
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<222> (1)...(34)

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<223> n = A,T,C or G

<400> 1608

agagaaggga actggcntgt gtggctgggc tgtg

34

<210> 1609

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 1609

gcaggctcag tggaaggaga ggngtctcct tatg

34

<210> 1610

<211> 32

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(32)

<223> n = A,T,C or G

<400> 1610

atggggaact ctcctanact gctggaggcg tg

32

<210> 1611

<211> 27

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(27)

<223> n = A,T,C or G

<400> 1611

agtcatggca ctanatggag cccaggg

27

<210> 1612

<211> 27

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 1612

caccaggagg ttcagcnccc actgtgg

27

<210> 1613

<211> 26

<212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1613  
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26

<210> 1614  
 <211> 30  
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 <213> Homo sapiens

<220>  
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 <222> (1)...(30)  
 <223> n = A,T,C or G

<400> 1614  
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30

<210> 1615  
 <211> 26  
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<220>  
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 <223> n = A,T,C or G

<400> 1615  
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26

<210> 1616  
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<220>  
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 <223> n = A,T,C or G

<400> 1616  
 tacacttatg gtttgtgcnt tttttttt

27

<210> 1617  
 <211> 24  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1617  
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 <400> 1618  
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 <210> 1619  
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 <212> DNA  
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 <222> (1)...(26)  
 <223> n = A,T,C or G  
  
 <400> 1619  
 ggcccagccc ccccnggaa gtggat 26  
  
 <210> 1620  
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 <212> DNA  
 <213> Homo sapiens  
  
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 <222> (1)...(27)  
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 <400> 1620  
 gtaaaaaaaaa anccctacag gtaaaag 27  
  
 <210> 1621  
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 <220>  
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 <400> 1621  
 ccccatgtg ccangtcacc tcccttgtc 29  
  
 <210> 1622  
 <211> 22  
 <212> DNA  
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<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1622
cccagcagga aacanatgca ca                                22

<210> 1623
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 1623
gaacccagag agaccngtag gagggg                                26

<210> 1624
<211> 26
<212> DNA
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<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 1624
gcccggcaga gtcaccnggg ctggcc                                26

<210> 1625
<211> 25
<212> DNA
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<220>
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<222> (1)...(25)
<223> n = A,T,C or G

<400> 1625
aaatggggcc aggnngcgggtg gctca                                25

<210> 1626
<211> 34
<212> DNA
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 1626
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<210> 1627  
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<220>  
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 <223> n = A,T,C or G

<400> 1627  
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28

<210> 1628  
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 <223> n = A,T,C or G

<400> 1628  
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31

<210> 1629  
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<220>  
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 <223> n = A,T,C or G

<400> 1629  
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24

<210> 1630  
 <211> 27  
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<220>  
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 <222> (1)...(27)  
 <223> n = A,T,C or G

<400> 1630  
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27

<210> 1631  
 <211> 28  
 <212> DNA  
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<220>  
 <221> misc\_feature

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<222> (1)...(28)
<223> n = A,T,C or G

<400> 1631
tgggtcaacag tcccanctga gcccagcc 28

<210> 1632
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<212> DNA
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<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 1632
cttgaggtgc ctcntaagag gtccaatga 29

<210> 1633
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 1633
ttattccagt cacctngagt cattccagtc 30

<210> 1634
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<400> 1634
agggagaagaag aagaancaag aggaagagga 30

<210> 1635
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<400> 1635
gaaagccaaa attaaaaaaaa aantcaacag aa 32

<210> 1636

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<211> 30  
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<400> 1636  
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<400> 1637  
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<210> 1638  
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<400> 1638  
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<210> 1639  
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<400> 1639  
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32

<210> 1640  
 <211> 36  
 <212> DNA  
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<223> n = A,T,C or G

<400> 1640  
taatgacatt cccttgtag aatgtgcaa tgtgga 36

<210> 1641  
<211> 22  
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<400> 1641  
gatcacatta nttgcctgag tt 22

<210> 1642  
<211> 29  
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<400> 1642  
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<210> 1643  
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<400> 1643  
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<400> 1644  
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<210> 1645  
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<400> 1647
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<210> 1648
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<400> 1648
gggagacccg gagggagnta ggaagtg                28

<210> 1649
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<400> 1649  
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 <211> 27  
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 <213> Homo sapiens  
  
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 caggtggaan tgtgaatctg gggagag 27  
  
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<223> n = A,T,C or G

<400> 1654
cccagaatag agaccacntc catcctccct t
31

<210> 1655
<211> 31
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<223> n = A,T,C or G

<400> 1655
gaacttagat ttgcgncct tagcattcaa c
31

<210> 1656
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1656
caatgcatga tcctntctga gcctcagc
28

<210> 1657
<211> 26
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1657
ttgataactca gtangtacag cttatt
26

<210> 1658
<211> 23
<212> DNA
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<223> n = A,T,C or G

<400> 1658
caggcaacaa antctccctc cct
23

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<210> 1659  
 <211> 26  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1659  
 ccttgcttca antgcttcag tctatc 26

<210> 1660  
 <211> 21  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 1660  
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<210> 1661  
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<220>  
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 <223> n = A,T,C or G

<400> 1661  
 ccattccctg agcncagggt gcctttct 28

<210> 1662  
 <211> 31  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1662  
 ggccaggctg gtctcngtct agactcaagt g 31

<210> 1663  
 <211> 37  
 <212> DNA  
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<220>  
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<222> (1)...(37)
<223> n = A,T,C or G

<400> 1663
tgtttgagac aggggtcttgn tctgtcgtcc aggatgg          37

<210> 1664
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 1664
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<210> 1665
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 1665
ccaccgcacc cggccanttt tatttgtttt taaa          34

<210> 1666
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1666
ttgccaacat ttggtatnat cagtcttcaa tttt          34

<210> 1667
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1667
tttttttttt nctgagacag agtctcgct          29

<210> 1668

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<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 1668
caattgactt ccctnaaaaaa                20

<210> 1669
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 1669
aagggtgtgc ctagngcaca cactccctcc c    31

<210> 1670
<211> 20
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1670
gtgtgcctag ngcacacact                20

<210> 1671
<211> 28
<212> DNA
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<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 1671
aataaagtga ttacttnaaa aaaaaaaaaa    28

<210> 1672
<211> 26
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1672  
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<210> 1673  
<211> 22  
<212> DNA  
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<220>  
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<223> n = A,T,C or G

<400> 1673  
cctctggggt ntttccaaat ca 22

<210> 1674  
<211> 30  
<212> DNA  
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<223> n = A,T,C or G

<400> 1674  
ttgccagaac acnggggtcag agagcaagag 30

<210> 1675  
<211> 31  
<212> DNA  
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<400> 1675  
agagtgaagac tctgtctcaa aaaaaaaaaa a 31

<210> 1676  
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<223> n = A,T,C or G

<400> 1676  
cttcatatct acttngaaaa ccatat 26

<210> 1677  
<211> 19  
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<220>  
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<222> (1)...(19)	
<223> n = A,T,C or G	
<400> 1677	
gagactctgt ctcnaaaaa	19
<210> 1678	
<211> 26	
<212> DNA	
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<400> 1678	
aaaaaaaaaaa angaacctct gtcgta	26
<210> 1679	
<211> 28	
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<400> 1679	
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<210> 1680	
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<223> n = A,T,C or G	
<400> 1680	
tgctgtagct ccatttgagn agggacctt	29
<210> 1681	
<211> 19	
<212> DNA	
<213> Homo sapiens	
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<223> n = A,T,C or G	
<400> 1681	
atgatttgcg tcaaagcag	19
<210> 1682	

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<211> 30
<212> DNA
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 1682
tcagtaccac atctgtnttt ccatgctctt      30

<210> 1683
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<223> n = A,T,C or G

<400> 1683
acagaggtaa aagtgttttg aaagcnaaaa a      31

<210> 1684
<211> 20
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1684
ctagcctang gtctaggccc      20

<210> 1685
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<223> n = A,T,C or G

<400> 1685
ggtctaggcn ctctgacctg      20

<210> 1686
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<223> n = A,T,C or G

<400> 1686

ggaatcatta cntatcacaa tca

23

<210> 1687

<211> 26

<212> DNA

<213> Homo sapiens

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<222> (1)...(26)

<223> n = A,T,C or G

<400> 1687

accatggatg cntagctgag ttctctg

26

<210> 1688

<211> 27

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(27)

<223> n = A,T,C or G

<400> 1688

acagttgtcc ctnagcatct tcgagga

27

<210> 1689

<211> 40

<212> DNA

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<222> (1)...(40)

<223> n = A,T,C or G

<400> 1689

gagacttcat ctnaaaaaca aaaaacaaac aaacaaaaaa

40

<210> 1690

<211> 29

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(29)

<223> n = A,T,C or G

<400> 1690

aaactctcac cacnactgaa atctggta

29

<210> 1691

<211> 27

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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1691
ccctggggct ctantatttg gtgttac 27

<210> 1692
<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 1692
gaaagatata naaattaaat taaa 24

<210> 1693
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 1693
aaaaantcat accaattagt ctcacttaaa 30

<210> 1694
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<400> 1694
catcctgcan ccccagcttc 20

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<400> 1695  
 cagaacaaat tagagaaaaa ctccngtcag gctctccac 39

<210> 1696  
 <211> 28  
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 acaacaacgg gtanatattt taggtctc 28

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<400> 1697  
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<210> 1698  
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<400> 1698  
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<210> 1699  
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<210> 1700  
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<400> 1700
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<210> 1701
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<223> n = A,T,C or G

<400> 1701
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<210> 1702
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<400> 1702
acaggcgcgc ncacacacac acacaca 27

<210> 1703
<211> 27
<212> DNA
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<223> n = A,T,C or G

<400> 1703
taaaaattat tcgngagaat tttagaa 27

<210> 1704
<211> 30
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<223> n = A,T,C or G

<400> 1704
ccaagtacct tggncgtgac tgagagatga 30

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<210> 1705  
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<400> 1705  
 acaaacaaac aancaaacct tatt

24

<210> 1706  
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 <223> n = A,T,C or G

<400> 1706  
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18

<210> 1707  
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24

<210> 1708  
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<400> 1708  
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22

<210> 1709  
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<210> 1710
<211> 22
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<223> n = A,T,C or G

<400> 1710
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<210> 1711
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<223> n = A,T,C or G

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<223> n = A,T,C or G

<400> 1712
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<223> n = A,T,C or G

<400> 1713
ttttaaaact tntaaaggaa t 21

<210> 1714

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<211> 36  
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<210> 1715  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)...(31)  
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<400> 1715  
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<210> 1716  
 <211> 30  
 <212> DNA  
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<400> 1716  
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<210> 1717  
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 <223> n = A,T,C or G

<400> 1717  
 gaagcaagac tgtcnggaac actggactc 29

<210> 1718  
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 <212> DNA  
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<223> n = A,T,C or G

<400> 1718  
aaccatctgt ttgtgtcntg aggctctctg tat 33

<210> 1719  
<211> 31  
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<210> 1724  
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<210> 1725  
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<210> 1726  
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<210> 1730  
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<400> 1730  
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<210> 1731  
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<400> 1731  
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<210> 1734
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<400> 1734
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<210> 1735
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<212> DNA
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<400> 1735
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<210> 1736
<211> 23
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<223> n = A,T,C or G

<400> 1736
ttccacaatg gtngaactag ttt 23

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<210> 1737  
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<220>  
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<400> 1737  
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<210> 1738  
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<400> 1738  
 gttcatatac ttntcccctg ttt 23

<210> 1739  
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<400> 1739  
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<210> 1740  
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<210> 1742
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<212> DNA
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<223> n = A,T,C or G

<400> 1742
ggtcctggac tntttttggt t 21

<210> 1743
<211> 16
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1743
ttattgccnc aatttc 16

<210> 1744
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<220>
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<223> n = A,T,C or G

<400> 1744
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<210> 1745
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<212> DNA
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<223> n = A,T,C or G

<400> 1745
ttggttgata ngctattaat ta 22

<210> 1746

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<211> 20  
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<400> 1746  
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<210> 1747  
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<400> 1747  
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<210> 1748  
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<400> 1748  
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<210> 1749  
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<400> 1749  
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<210> 1750  
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<223> n = A,T,C or G

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21

<210> 1751

<211> 16

<212> DNA

<213> Homo sapiens

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<222> (1)...(16)

<223> n = A,T,C or G

<400> 1751

cccctgcntt tttttg

16

<210> 1752

<211> 26

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(26)

<223> n = A,T,C or G

<400> 1752

tttatgaatc tggngctcc tgtatt

26

<210> 1753

<211> 23

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(23)

<223> n = A,T,C or G

<400> 1753

ttcaggagct cttntaaggc agg

23

<210> 1754

<211> 18

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 1754

ggcctggngg tgacaaaa

18

<210> 1755

<211> 22

<212> DNA  
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 <223> n = A,T,C or G

<400> 1755  
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<210> 1756  
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<400> 1756  
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<210> 1757  
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<400> 1757  
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<210> 1758  
 <211> 24  
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<400> 1758  
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<210> 1759  
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<400> 1759  
 cagtagacga acnatgcaaa atacca 26  
  
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 tcctggggct ttnacgtttt tagtg 25  
  
 <210> 1761  
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 cagagataag aantagtttc caagaa 26  
  
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 <400> 1762  
 acaggcttng acagaggact tgga 24  
  
 <210> 1763  
 <211> 34  
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 <400> 1763  
 tcactaaatt ctagaaanaa agattctagg cagt 34  
  
 <210> 1764  
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<223> n = A,T,C or G

<400> 1764
taggcagttg ctgntattta aaaaatcat 29

<210> 1765
<211> 28
<212> DNA
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 1765
caggactaaa gtganctact ctgaaaga 28

<210> 1766
<211> 40
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<223> n = A,T,C or G

<400> 1766
tttttggaca cacacaatga cactncactt agagaagtgc 40

<210> 1767
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<212> DNA
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<400> 1767
acaaacaaat aaacantaaa acaaaaccca ca 32

<210> 1768
<211> 28
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<223> n = A,T,C or G

<400> 1768
cagagtgatt ctgtgtttna aaaaaaaaaa 28

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<210> 1769  
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<400> 1769  
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28

<210> 1770  
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<223> n = A,T,C or G

<400> 1770  
aggggcggtt gcagnagaag agctgggcc

29

<210> 1771  
<211> 31  
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<223> n = A,T,C or G

<400> 1771  
ggttataata attttncgtt catcagacct c

31

<210> 1772  
<211> 27  
<212> DNA  
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<400> 1772  
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27

<210> 1773  
<211> 28  
<212> DNA  
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<400> 1773  
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<210> 1774  
 <211> 30  
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 <223> n = A,T,C or G

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<210> 1775  
 <211> 24  
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<400> 1775  
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<210> 1776  
 <211> 26  
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<400> 1776  
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<210> 1777  
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<400> 1777  
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<210> 1778

<211> 37  
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<220>  
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<400> 1778  
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37

<210> 1779  
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<400> 1779  
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38

<210> 1780  
 <211> 29  
 <212> DNA  
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 <223> n = A,T,C or G

<400> 1780  
 gaaaaaaagg aaaaanatta gcatgttta

29

<210> 1781  
 <211> 38  
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<400> 1781  
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38

<210> 1782  
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 <212> DNA  
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<223> n = A,T,C or G

<400> 1782

aaaaagaaaa anaaagaaaa

20

<210> 1783

<211> 29

<212> DNA

<213> Homo sapiens

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<222> (1)...(29)

<223> n = A,T,C or G

<400> 1783

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29

<210> 1784

<211> 29

<212> DNA

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<222> (1)...(29)

<223> n = A,T,C or G

<400> 1784

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29

<210> 1785

<211> 29

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1785

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29

<210> 1786

<211> 38

<212> DNA

<213> Homo sapiens

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<222> (1)...(38)

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<400> 1786

tttttggttc cttccttatt aanatggtat ctttgtga

38

<210> 1787

<211> 19



<212> DNA  
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<220>  
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 <222> (1)...(19)  
 <223> n = A,T,C or G

<400> 1787  
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19

<210> 1788  
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 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1788  
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29

<210> 1789  
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<220>  
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<400> 1789  
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34

<210> 1790  
 <211> 33  
 <212> DNA  
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<220>  
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 <223> n = A,T,C or G

<400> 1790  
 cctagtaaatt tgactancaa gtactaagac caa

33

<210> 1791  
 <211> 32  
 <212> DNA  
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<220>  
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 <222> (1)...(32)  
 <223> n = A,T,C or G

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<400> 1791
tgagggacat cacagntgtc tccagaaagg ta 32

<210> 1792
<211> 29
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1792
agtctcgggc tcanagtgcc catgctatt 29

<210> 1793
<211> 28
<212> DNA
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<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 1793
taaagagaaa gaancatttg tcctgatt 28

<210> 1794
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<212> DNA
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<220>
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<222> (1)...(33)
<223> n = A,T,C or G

<400> 1794
catgcttcct atggtctngc caaaaggact gaa 33

<210> 1795
<211> 28
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1795
ggaatgtgct gaantgcatc atcagtgt 28

<210> 1796
<211> 31
<212> DNA
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<220>
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<223> n = A,T,C or G

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taagaggtag tatcangtac aaaagtattc t
31

<210> 1797
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 1797
gatattcaca gtatagtngg gaagaccaac atta
34

<210> 1798
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 1798
ttttctgttg ttgtnttttt tttccatcac
30

<210> 1799
<211> 27
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1799
catactttta gccanttagg gtgtatt
27

<210> 1800
<211> 26
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1800
tgtgaaacct tgggnaagtt atttaa
26

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<210> 1801  
 <211> 29  
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<220>  
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<400> 1801  
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<210> 1802  
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<220>  
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<400> 1802  
 gaatctcttg aacctgngag gcagagggtg ca 32

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<210> 1810

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<211> 26  
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<210> 1813  
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<400> 1813  
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<210> 1815

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<212> DNA

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<210> 1816

<211> 29

<212> DNA

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<210> 1817

<211> 23

<212> DNA

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<210> 1818

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<212> DNA

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<223> n = A,T,C or G

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24

<210> 1819

<211> 23

<212> DNA  
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 <210> 1826  
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21

<210> 1830  
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<400> 1832  
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27

<210> 1833  
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<210> 1840  
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<400> 1841  
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<400> 1843  
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<210> 1847

<211> 27

<212> DNA

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<223> n = A,T,C or G

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27

<210> 1848

<211> 25

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25

<210> 1849

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<210> 1851

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 <210> 1859  
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 <400> 1859  
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 <210> 1860  
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<223> n = A,T,C or G

<400> 1860
tatgtacaag tatctntttg agtacttgct 30

<210> 1861
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<400> 1861
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<210> 1862
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<223> n = A,T,C or G

<400> 1862
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<210> 1863
<211> 35
<212> DNA
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<400> 1863
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<210> 1864
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<400> 1864
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<210> 1865  
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<210> 1866  
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<400> 1866  
 ccccttatcc acagnttttt tttttt 26

<210> 1867  
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<400> 1867  
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<210> 1868  
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<400> 1868  
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<210> 1869  
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 <211> 30  
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 <210> 1872  
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 <210> 1873  
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 <210> 1874

<211> 32  
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<400> 1874  
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<210> 1875  
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<400> 1875  
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<210> 1876  
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<400> 1876  
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<210> 1878  
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27

<210> 1879

<211> 27

<212> DNA

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<223> n = A,T,C or G

<400> 1879

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27

<210> 1880

<211> 28

<212> DNA

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<223> n = A,T,C or G

<400> 1880

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28

<210> 1881

<211> 28

<212> DNA

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<223> n = A,T,C or G

<400> 1881

taattttttt aaatnaattt ttttcttc

28

<210> 1882

<211> 21

<212> DNA

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<223> n = A,T,C or G

<400> 1882

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21

<210> 1883

<211> 27

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<400> 1883  
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27

<210> 1884  
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31

<210> 1885  
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<400> 1885  
gaaaaatgaa gcnggagaaa aatgaa

26

<210> 1886  
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<210> 1970



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24

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<400> 1994  
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16

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18

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19

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47

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<210> 2019  
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<400> 2027  
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<212> DNA

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34

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34

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36

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<223> n = A,T,C or G

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<212> DNA  
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<220>  
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<210> 2056  
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<210> 2058  
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598/598

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<220>

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<400> 2058

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